

A SHORT
COMPENDIUM

OF

The New and much Enlarged

SEA-BOOK,

OR

*E.180.36

Pilots Sea-Mirror:

CONTAINING

The Distances and Thwart Courses of the
Eastern, Northern, and Western
NAVIGATION.

Newly Enlarged and amended, by several
Experienced NAVIGATORS.

And now for the Benefit and Encouragement of our
SEA-MEN Translated into ENGLISH:

And Calculated according to 20 Leagues for a Degree.

By L. CHILDE Esquire.

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Law.

July 27. 1911

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THE FIRST PART:

CONTAINING

All the Distances and Thwart Courses of the Eastern and Northern Navigation, Contained in the New and much Enlarged

SEA-MIRROUR.

CHAP. I.

From the FLYE to the ELVE.

Along the Coast.

English Leagues.



He Coast along the Islands of the Flye to the Elve, stretcheth E N E, and W S W.

Piterland, or the Steep-grounds, and Born-riff lye asunder N E and by E, and S W and by W 4 leagues.

From Borckum-riffe to Wranger-oogh, E N E, 16 l.

From the Eastern Eems, or *Juyster-riffe*, to the Steep-buye, or *Schor-tunne*, E N E, 20 l.
From Wranger-oogh to the New-work, E N E, 8 l.

Thwart Courses over Sea.

From the Flye to the North east end of the Broad-fourteens, or *Bree-verthien*, W N W, 8 l.

From the Flye to Tinmouth or Newcastle, W N W, 90 l.

From the Flye to Hitland, N W by N, and somewhat more N, 152 l.

From the Flye to Fairhill, N W and by N, 144 l.

From the Flye to Schuytenefs, N and by W, somewhat N, 106 l.

A 2.

From

The Pilots Sea-Mirroure.

From the Flye to the Maes, N and by E,	85 leagues.
From the Flye unto the top of the Riffe in sixteen fathom depth, N and by E,	66, or 67 l.
From the Flye to Boevenberghen, N N E,	69 l.
From the Flye to Rinkopper, or Numer-deep, N N E, or a little more Northerly,	58 l.
From the Flye to the Island Silt, N E,	46 l.
From Born-riffe to the Naze, the Course is North, or a little Easter- ly,	82 l.
From Born-riffe to Holy-land, N E and by E,	33 l.
From Born-riffe to Wranger-oogh, E N E,	29 l.
From Born-riffe to the Western Eems,	14 l.
From the Eems to Flambrough-head, West or something Northerly,	85 l.
From the Eems to Boevenberghen, N and by E,	59 l.
From the Eems to Holy-land, N E, and N E and by E,	21 or 22 l.
From the outermost Buy upon the Elve, to the Eyder, N,	7 or 8 l.
From Langer-oogh to Holy-land, N N E,	10 l.
Holy-land the outermost Buy in the Weser, beareth North and some- what Easterly, and South and somewhat Westerly asunder.	
The Buy upon the head in the Weser and Holy-land, lye distant N and S,	8 l.
The Scorre-buy, or the New-work and Holy-land lye asunder S E and by E, and N W and by W,	8 l.
The outermost Buy in the Eyder and Holy-land, lye asunder East somewhat Northerly, and West somewhat Southerly,	7 or 8 l.
From Holy-land to the Holms before Yarmouth, W S W, or some- what Westerly	72 l.
From Holy-land to Scarbrough and Flambrough head, W or some- what more Southerly,	93 l.
From Holy-land to Tinmouth or Newcastle, W or somewhat more Northerly,	106 l.
From Holy-land to Leeth in Scotland, W and by N, or somewhat more Northerly,	120 l.
From Holy-land to Boeckenes, N W and by W,	123 l.
From Holy-land to Hang-lip in Hitland, N W,	147 l.
From Holy-land to Boevenberghen, N and by W, and something Nor- therly,	50 l.
From	

From Holy-land to the Horn or <i>Dode-bergh</i> , N,	32 leagues.
From Holy-land to Knuyts-deep, or Ryper-deep, N and N by E,	25 l.
From Holy-land to the Deep of Silt, or List, N and by E,	19 l.
From Holy-land to Ameren, or Small-Deep, N N E, and somewhat Easterly,	11 l.
From Holy-land to the outermost Buy in the Hever, N E,	8 l.
From Holy-land to the Eyder, E and by N, and W and by S,	7 l.

CHAP. II.

The Coast of JUTLAND.

From the Elve to the Scaw.

Along the Coast.

English leagues.

F rom the Eyder to the Hever, the Land lyes N N W, and S S E,	5 leagues and an half.
From the Hever, or the South end of Strand, to the South end of Ameren, N N W,	5 leagues and an half.
Two miles north of Ameren, lyes Silt, which is about four miles long, and lyeth S and by E, or N and by W.	
From the North end of Silt, called List, to the South end of Rim, or Rem, is N E and S W one mile. Rem is two miles and an half long, and stretcheth almost South and North.	
From the North end of Rem to the South end of Manu, it is N E and S W one mile; a man can hardly get sight of it, by reason of the Grounds and great Shoals which lye thwart of it to the Seawards.	
From Phanu Knuyts to Knuyts-deep, S S E, and N N W.	
From the Doodenbergh to the Haven of Numen, or Rinkopper-diep, N and by W,	7 or 8 l.
From Rinkopper-diep, or the Haven of Numen, to Boevenberghen, N and by W,	11 l.
From the Doodenbergh to Boevenberghen, N and by W, and S and by E,	17 or 18 l.
From Boevenberghen to the Holms, N N E,	9 leagues and an half.
From the Holms to Robsnot, or Robbe-knuyt, N E,	9 l.
From Robsnot to Hartshals, N E and by E,	4 l.
From Harts-hals to the Scaw, or <i>Schagen</i> , E N E,	8 l.

Thwart

Thwart Courses over the Sea.

From Boevenberghen to Holy-land, S and by E, and well Southerly,	50 leagues.
From Boevenberghen to the Flye, or Borneriffe, S S W,	69 l.
From Boevenberghen to the North-Forland, S W and by W,	119 l.
From Boevenberghen to the Holms before Yarmouth, S W,	93 l.
From Boevenberghen to Flambrough-head, W S W,	101 l.
From Boevenberghen to Scarbrough, W S W, and a little Westerly,	101 l.
From Boevenberghen to the River of Newcastle, or Tinmouth, W and by S,	106 l.
From Boevenberghen to Boeckeness, W and by N,	about 106 l.
From Boevenberghen to the Naze, N W and by N,	24 l.
From the Riffe in sixteen fathom, to the Flye, S and by W,	62 l.
From the Riffe in eighteen fathom, to the Streight betwixt Callice and Dover, S S W,	about 120 l.
From the Holms to the Naze, N W,	20 l.
From the Holms to Freckery, N W and by N,	18 l.
From the Holms to Maerdow, N,	24 l.
From the Holms to the Long-sound, N and by E,	36 l.
From the Holms to Ferderoer, N N E,	40 l.
From the Scawe to Tinmouth, W S W,	136 l.
From the Scawe to the Naze, W,	33 l.
From the Scawe to Fleckery, W and by N,	25 l.
From the Scawe to Reperwick, W and by N, and W N W,	24 l.
From the Scawe to Maerdow, N W and by W,	20 l.
From the Scawe to Long-sound, N W and by N, or a little more Northerly,	21 l.
From the Scawe to Ferderoer, N and by W,	23 l.
From the Scawe to Otturen, N and by E,	25 l.
From the Scawe to Mael-strand, E N E,	12 l.
From the Scawe to Nydink, E and by S,	16 l.
From the Scawe to Waers-bergen, E S E,	19, or 20 l.
From the Scawe to the Trindels, S E,	8 l.
From the Scawe, about a Seaboard the Trindels, S E and by E,	8 l.
From the Scawe to Lesou, or the north end of the Riffe, S S E,	8 l.

CHAP. III.

The Coast of NORWAY and SCHONEN.

From the Naze through the Sound, and about the point of Falsterbeen,
as far as Bruntholm.

Along the Coast.

English leagues.

From the Naze to Schare-sound, E N E,	2 leagues and an half
From the Naze to Vlecker, E N E,	8 l.
From the Naze to Reperwyck, E N E,	10 leagues and an half.
From Vleckery to Reperwyck, or to Wolf-sound, E N E, and N E and by E,	2 leagues and an half.
From Wolf-sound to Blind-sound, N E,	2 leagues and an half.
From Blind-sound to Maerdow, N E,	4 l.
From Wolf-sound, or Reperwyck, to Maerdow, N E,	8 l.
From Maerdow to Joffer-land, N E,	8 l.
From Maerdow to Oostrysen, N N E,	18 leagues and an half.
From the Joffer-land to Long-sound, N N E,	1 league and an half.
From Vleckery to the Joffer-land, N E,	19 l.
From Long-sound to Farder, E N E,	8 l.
From Laerwyck to Farder, E N E,	4 l.
From Farder to Moncks Island, or Roge, N N E,	5 l. and an half.
From Farder to the Island Bast, N and by W,	5 leagues and an half.
From Farder to the Soon-water, North or somewhat Easterly,	8 l.
From Bast to the Coperwyck, N and by W,	4 l.
From Bast to the Red-point, or the Soen-water, N N E,	4 l.
From Bast to the Sisters, S E,	5 leagues and an half.
From the Sisters to Acker-sound, E and by S,	4 l.
From Acker-sound to Souther-wycks-holm, S E and by E,	4 l.
From Souther-wycks-holm to Harmans-head, S S E,	4 or 5 l.
From Harmans-head to the west end of the Pater-noster,	5 l.
From the west end of the Pater-noster to Mael-strand, E N E,	3 l.
From Mael-strand to Winnen, S E,	5 leagues and an half.
From Winnen to Mael-sound, S S E,	3 l.
From Mael-sound to Waers-bergen, S S E,	5 leagues and an half.
From Waers-bergen to Tuylo, S E,	5 leagues and an half.
From Tuylo to Laf-holm, S E and by E,	5 leagues and an half.
	From

From La holm to the point of Turko, behind Swedereur, W S W,
2 leagues and an half.

From Turko to Engel-holm, S E, 4 l.

From Engel-holm to Knoll, W, 4 l.

Thwart Courses over Sea.

From Mael-strand to Nyding, S S E, 8, or 9 l.

From Mael-sound to Nyding, S W, and S W and by W, 1 l.

From Nyding to Waers-bergen, S E, 5 leagues and an half

From Waers-bergen to Coll, S and by E, 12 l.

From the South end of Swedero to Coll, S W, 4 l.

From Coll to Elseneur, S E, and S E and by S, 4, or 5 l.

From Lap-sand to Ween, S S E, 3 l.

From Elseneur to the Norther Buy in the Shoals, S and by E, 6 l.

From Elseneur to Landf-crone, E S E, 4 l.

From Ween to Malmuyen, S E, and S E and by S, 6 l.

From Malmuyen to Reeffholm, W, 5 leagues and an half.

From Malmuyen to Steden, S S W, 8 l.

From the Buy upon Draker riff to Kuyck, S W, 5 l.

From the Buy upon Draker-riff to Steden, S and by W, 5 l.

From the Buy upon the Draker-riff to the Buy upon Falsterborns-
riff, S, 5 leagues and an half.

From Falsterboen to Elburgh, E and by N, and E N E, 4 l.

From Elburgh to Vuytsee, E and by N, and E N E, 8 l.

From Vuytsee to Goosbeer, E N E, 3 l.

From Goosber to Sand-hammer, N E, 1 league and an half.

From the Naze to the Scaw, E, 32 l.

From the Naze to the Holms in Jutland, S E, 19 l.

From the Naze to Bovenbergen, S E and by S, 24 l.

From the Naze to the Holy-land, S and by E, and S S E, 68 l.

From the Naze to Eems, South, and somewhat Easterly, 75 l.

From the Naze to Born-riff, S and somewhat westerly, 83 l.

From the Naze to the Tessel, or Maersdeep, South and by West,
distant 93 l.

From the Naze to Walcheren, S and by W, 126 l.

From the Naze to the Heads, or the strait between Callis and Do-
ver, S S W, or somewhat more Westerly, 144 l.

From the Naze to the Holms before Yarmouth, S S W, somewhat
westerly, 97 l.

From

From the Naze to Flambrough-head, S W,	100 leagues.
From the Naze to Scarbrough, S W,	99 l.
From the Naze to the River of Newcastle, S W and by W, and somewhat westerly,	104 l.
From the Naze to Lieth in Scotland, South west and somewhat westerly,	103 l.
From the Naze to Boeckness, west and somewhat northerly,	89 l.
From the Naze to Fayrhill, W N W,	93 l.
From the Naze to Hitland, N W and by W,	101 l.
From the Cloof, or the Cow and Calf, to the Scaw, E and by S, and somewhat westerly,	31 l.
From Fleckory to the Holms in Jutland, S E and by S,	19 l.
From Fleckory to the Scaw, E and by S,	26 l.
From Reperwyck to the Scaw, E and by S, and E S E,	24 l.
From Maerdow to the Holms, S,	24 l.
From Maerdow to the Scaw, S E and by E,	20 l.
From Long-sound to the Holms, S and by W,	35 l.
From Long-sound to the Scaw, S E and by S, or a little more southerly,	21 l.
From Farder to the Holms, S S W,	40 l.
From Farder to the Scaw S and by E,	22 leagues and an half.
From Otturen to the Scaw, S and by W,	26 l.
From Harmans-head to the Scaw, S W and by S,	16 l.
From the Pater-noster to the Scaw, W S W,	12 l.
From the Riffe of Scaw to Mael-strand, E N E,	13 l.
From the Riffe the Scaw to Nydingh, S E and by S,	16 l.
From the Riffe of the Scaw to Waers-bergen, S E,	22 l and an half.
From the Riffe of the Scaw to Coll, alongst without the Trindel, S E,	29 l.
From the Riffe of the Scaw to Lefou, S S E,	8 l.
From the Riffe of the Scaw to the Trindel, S E,	8 l.
From the Trindel to Anout-riff, S E, or somewhat more southerly,	9 leagues and an half.
From Anouts Riff to Coll, S E,	10 leagues and an half.
From Anouts Riff to Haselin, South,	10 leagues and an half.
From Coll to Haselin, S W and by W,	8 l.
From Coll to the Northermost outerly point of Zealand, S W,	5 l.

CHAP. IV.

To Sail through the BELT.

*Along the Coast of Jutland, Zealand, and Mekelenburgh, unto
Bruatholm, or Bornholm.*

Coasting and Thwart Courses.

F rom the Scaw to Lefou, S S E,	8 leagues.
From the Scaw to the small Helmes, S and by W,	4 l.
From the Scaw to Zeabuy, S and by W,	6 leagues and an half.
From the Helmes to Zeabuy,	3 l.
From Zeabuy to Aelburger-deep, S and by W,	6 leagues and an half.
From Aelburger-deep to Mariacker, S, and S and by W,	4 l.
From Aelburger-deep to Stevens-head, S E and by S,	9 l.
From Aelburger-deep to Hafelin, S E and by E,	20 l.
From Stevens-head to Hafelin, E S E,	13 l.
From Stevens-head to the great Holm, S S W, and S and by W,	6 leagues and an half.
From Stevens-head to the point of Ebeltud, S S W,	7 or 8 l.
From Stevens-head to Syro, S S E,	8 l.
From the great Helm to Wero, S S E,	4 l.
From the great Helm to Sampso, S W,	4 l.
From the South end of Ebeltud to Aerhuysen, W and by N, and W N W,	5 l.
From the Road of Sampso to Ebelo, S S W, and S and by W,	5 l.
From the South end of Sampso to the Island of Ebelo S W,	4 l.
The North-west Coast of Fuynen, lyeth S W and by W,	8 l.
From Ebelo to Melfersound, S W,	5 l.
From Endelaw to Melfersound, S S W, and well southerly,	6 l. & an half.
From Sampso to Roems, S E,	5 l.
From Syro to Rosnes, S S W,	4 l.
From by West of Syro to Roems, S S W and S and by W,	9 l.
From Wero to Bultsack, S S W,	4 l.
From Wero to Romps, S and by E,	8 l.
From Romps to Knuyts-head, S and by E, and S S E,	5 l.
From Knuyts-head to Langeland, S E,	4 l.
From Knuyts-head to the Island Tassing, S,	4 l.
	From

From the South-east end of Frynen to the East point of Asken, West, and West by North,	5 leagues.
From the Point of Askens to the little Islands of Toreu and Areu, W and by N, and W N W,	3 l.
From Areu to Melfersound, N N W,	5 l.
From the Point of Rosnes to the Island Syro, NNE and SSW, 8 or 9 l.	
From Rosnes to Casseur, S S E,	11 leagues and an half.
From Syro to Langeland, S E and by S,	4 l.
From the North end of Langeland to the South end, South,	8 l.
From the South end of Langeland to the Island Arr, N W and by W, as well westerly,	4 l.
From the Island Arr, or <i>Coping</i> , to the Roen, N W and by W,	5 l.
From the Roen to the little Island Areu, W and by N,	3 l.
From Areu to Apenrade, S S W,	5 l.
From the River of Apenrade, to the narrow Strait of Sonderburgh, East,	3 l.
From Sonderburgh to the Sley, S E and by E,	4 l.
From the south end of Langeland to Femeren, S E and by E, 7 or 8 l.	
From the Pools-riffe lying on the Island Aelst to Femeren, E S E,	14 l.
From the Sley to Kiel, S E,	4 l.
From Kiel to Femeren, E and by N,	8 l.
From Femeren to the Trave of Lubeck, S S W,	10 l.
From the Trave of Lubeck to the Wismer-deep, first N E and by N, then E N E, in all	9 l.
From Rostick to Robbenes, N E,	5 l.
From Robbenes to Dornebosch, N E and by E,	6 leagues and an half.

Thwart Courses over Sea.

From Femeren to Wismer deep, S and by E,	6 leagues and an half.
From Femeren to Rostick, E S E,	8 or 9 l.
From Femeren to Gester-riff, E and by N,	9 l.
From the Trave of Lubeck to Gester-riff, N E,	18 leagues and an half.
From Wismer-deep to Gester-riff, N N E,	12 or 13 l.
From Rostick to Gester-riff, N,	7 l.
From Gester-riff to Dornebosch, East,	9 l.
From Gester to Meun, N E,	6 leagues and an half.
From Meun to Steden, N W and by N,	4 l.
From Meun to Falsterborn, N and by E,	5 l.

From Meun to the Buy upon Falsterborn, North,	4 or 5 leagues.
From Falsterborn to Bruntholm, East,	20 l.
From Falsterborn to the Northward of Bruntholm, E and by S,	20 l.
But to the Southward of Bruntholm, E and E and by S,	22 l. and an half.
From Wtstee to the north point of Bruntholm, E and by S,	8 l.
From Meun to Bruntholm, E and by N,	21 l.
From Steeden to the north end of Bruntholm, E and by N,	24 l.
From Falsterborn to Whitmond, S E,	20 l.
From Falsterborn to Dornbosch, S S E or somewhat easterly,	14 l.
From Meun to Whitmond, E S E	12 or 13 l.
From Meun to Dornbosch, S E,	9 l.
From the Jell to the point of Dornbosch, N and by W,	2 l.
From Dornbosch to Whitmond, N E and by E,	4 l.
From Whitmond to Jasmond, E S E,	3 l.
From Jasmond to the Peert, S S E,	3 l.
From Dornbosch to the north end of Bruntholm, N E and somewhat easterly,	18 leagues and an half.
From Dornbosch to the south end of Bruntholm, N E and by E,	18 leagues and an half.
From Whitmond to the north end of Bruntholm, N E and by N,	14 leagues and an half.
To the south end, N E and by N,	13 l.
From Jasmond to the south end of Bruntholm, N E,	13 l.
From the Peert to the south end of Bruntholm, N E, and by North,	14 leagues and an half.
From Jasmond to Comyn, E S E,	18 leagues and an half.

CHAP. V.

*The Coast of POMEREN, PRUYSLAND, and COURLAND.**From Statyn to Ryga and Parnout.**Coasting along the Coast.*

F rom New-deep to Colbergen, E, and E and by N,	16 or 17 l.
From Comyn to Colbergen, N E and by E,	4 l.
From Colbergen to Collin, N E,	4 l.
From Collin to Ruwolde, N E and by N,	5 l.
From Ruwolde to Garf-head, N E and by N,	4 l.
From	

From Garf-head to Reefcol, N E and by E,	4 leagues
From Reefcol to Lyba E N E,	6 leagues and an half
From Lyba to Sernevisse, E N E,	5 l.
From Sernevisse to the Rose-head, E N E,	4 l.
From Colbergen to Graf-head, N E and by N,	13 l.
From Reefcol to Rose-head, E N E,	16 l.
From Rose-head to Axternes, S E,	4 l.
From Axternes to Vernorden, S E,	1 great l.
From Vernorden to Heel, S S E,	1 great l.
From Heel to Dantzick, S and by W,	5 l.
From the Chest or Wissel of Dantzick, to the Deep of Quins- brough, or Mouth of the River of <i>Conincx-bergen</i> , E N E, and N E and by E,	13 l.
From <i>Conincx-bergen</i> Deep to the Point of Bruster-ort, N, and N and by W,	4 or 5 l.
From Bruster-ort to the Deep of Der-Memel, N N E,	16 or 17 l.
From Der-Memel to Heyligena, N and by E,	4 l.
From Heyligena to the Point of Sevenbergen, N and by E,	5 l.
From Sevenbergen to Derlyba, N, and N and by E,	4 or 5 l.
From Derlyba to Derwinda, N and by E,	16 or 17 l.
From Derwinda to Luseroot, N E,	4 l.
From Luseroot to Domesnes, E N E,	12 or 13 l.
From Domesnes to Round, or <i>Ruynen</i> , E and by N,	8 l.
From Round to Duynemond, the Mouth of the River of Ryga, or <i>Rye</i> , S S E, and S E and by S,	16 l.
From Domesnes to Rye, or Duynemond, S E,	21 l.
From Duynemond to Lemsaël, or Sales, N E and by N,	10 l.
From Duynemond, or the Rivers mouth of Rye, to the Island Kin, N and by E,	14 l.
From Round to the Island Kin, E N E,	10 leagues and an half.
From Domesnes to the south end, or road of Oesel, N W,	3 l.
From Domesnes to Ambrook, North,	5 l.
From Round to Ambrook, N W,	8 l.
From the south end of Oesel to Arents-berg, N N E, 10 l. and an half.	
From the North-east point of Oesel to Parnout, E S E,	16 l.
From Arents-berg to the N E point of Oesel, E N E,	8 or 9 l.
From Ambrook to the N E point of Oesel, N E, and well Nor- therly,	10 l.
	From

From Round to the North-east end of Oefel, North, 13 leagues.
 From Lemsaël to Parnout, N and by E, 9 l.

Thwart Courses over Sea.

From the south end of Bruntholm to the Swyn, South, 13 l.
 From the south end of Bruntholm to Colbergen, S E, 16 l.
 From the south end of Bruntholm to Reefcol, S E, and E and by S, 24 l.
 From the south end of Bruntholm to the Eerts-holms, North, 4 l.
 From the north end of Bruntholm, or from the Eerts-holm to Rose-head, E and E and by S, 40 l.
 From Bruntholm to Der Memel, E and by N, 66 l.
 From Bruntholm to Der Lyba, E and by N, somewhat Northerly, 68 l.
 From Bruntholm to Der Winda, N E and by E, 80 l.
 From Bruntholm to Oostergarde, N E, or well northerly, 62 l.
 From Bruntholm to Houghbrough or the south end of Gotland, N E and somewhat northerly, 50 l.
 From the north end of Bruntholm to Souther-orden, the south end of Oelan, N E and by N, 25 l.
 From the south end of Bruntholm to Souther-orden, N N E, 26 l.
 From Bruntholm to Derklippen, or to the Rocks or out-Rocks, N E, 18 leagues and an half.
 From Bruntholm to Hanno, N and by E, 12 l.
 From the north end of Bruntholm to Sandhamer, N W, 5 l.
 From the north End of Bruntholm to the Point of Goef beer, W N W, 5 l.
 From the north point of Bruntholm to Wtsteed, W and by N, 8 l.
 From Rose-head to *Conincxbergh*, or Quinsbrough-deep, East and by South, 17 l.
 From Heel to Quinsbrough-deep, E, 13 l.
 From Rose-head to Der Memel, N E and by E, 29 l.
 From Rose-head to Sevenbergen, N E, 33 l.
 From Rose-head to Der Winda, N E and by N, 53 l.
 From Rose-head to Dageroort, N N E, 80 l.
 From Rose-head to Eastergore, N and somewhat easterly, 45 l.
 From Rose-head to Houbrough the south end of Gotland, N and somewhat westerly, 34 l.
 From Rose-head to the south end of Oeland, N W, 33 l.
 From Rose-head to Hanno, W and by N, and so well northerly, 38 l.
 From Quinsbrough-deep to Houbrough, N W and by N, 48 l.
 From

From Quinsbrough-deep to the south end of Oeland, N W and by W, and W N W,	50 l.
From Der Memel to Houbrough, W N W,	36 l.
From Der Memel to Brusteroot, S S W,	16 or 17 l.
From Der Memel to Danzick, S W and by S,	32 l.
From Der Memel to Rose-head, S W and by W,	29 l.
From Der Memel to the Eartsholms, or the north end of Bruntholm W and by S,	66 l.
From Der Memel to Houbrough, W N W,	37 l.
From Sevenbergen to Rose-head S W,	33 l.
From Sevenbergen to Southeroorden, W and somewhat southerly,	45 l.
From Der Winda to Rose-head, S W and by S,	57 l.
From Der Winda to Bruntholm, S W and by W,	80 l.
From Der Winda to Houbrough, W and by S,	37 l.
From Der Winda to Eastergore W,	29 l.
From Der Winda to the Gotsche-sand, N W and by W,	31 or 32 l.
From Der Winda to Dagerort, N and by W something westerly,	33 l.
From Luferoot to Houbrough, W and by S, and well southerly,	40 l.
From Luferoot to point of Aland, N N W,	58 l.

CHAP. VI.

The Coast of LYFLAND, RUSSIA, and FINLAND.

From Rye to Wyborgh.

Coasting along the Coast.

From the south point of Oesel to Hondfort, N N W,	16 l.
From Hondfort to the point of Dagerort, N N W,	8 l.
From Dagerort to Syburghnes, N E,	6 leagues and an half.
From Syburghnes to the Oxeholm and the Grasholm, S E,	6 l.
From the Grasholm to the great Tree upon Oesel, S S E,	6 leagues and an half.
From Syburghnes to Oetgensholm, E N E, and N E and by E,	6 leagues and an half.
From Oetgensholm to great Roge, E and by N,	4 l.
From great Roge to Surp, E,	4 l.
From Roge to Nargen, E,	5 l.
From	

From the S end of Nargen to the Island Wolf, E and E and by N,	4 l.
From Revel to the Wolf, N and by W,	5 l.
From the Wolf to Wranger, E S E,	2 leagues and an half.
From the Wolf to Kocxschaer, E and by N,	2 leagues and an half.
From Kocxschaer to the east end of Wranger, S,	1 great l.
From Kocxschaer to little Wranger, S E and by S,	2 l. and an half.
From Wranger to Eckholm, E and by S,	13 l.
From Eckholm to the Castle of Telsburgh, East,	5 l.
From Telsburgh to the Road of the Narve, E and by S,	16 l.
From the Road of the Narve to the Russ-haecks, N and by W,	5 l.
From the Russ-haecks to the River Nioa or Oreschack, E N E,	14 l.
From Oreschack to the Rode-hell N and by E,	14 l. and an half.
From the Russ-haecks to the Red-hell, N E and by N	26 l. and an half.
From the Russ-haecks to the Island Rette-Starre, N N W,	5 l.
From Rette-Starre to Sommers, N, or somewhat easterly,	5 l.
From Eckholm to the Island Highland, N E,	11 or 12 l.
From the west side of Highland to the Road of the Narve, S E,	16 l.
From Highland to the little Tutters, S W and by S,	3 l.
From Highland to the great Tutters S and by E,	2 leagues and an half.
From the Island with the Mast to the little Tutters, E and by S,	2 leagues and an half.
From the Kocxschaer to the Island with the Mast, E and by S,	20 l.
From the Island with the Mast to High-land, N E and by E,	4 l.
From Kocxschaer to Highland,, E N E, and somewhat easterly,	22 leagues and an half.
From Highland to the Sommers, East,	6 leagues and an half.
From the Sommers to the Goeschæer, or great Fisher, N E, somewhat easterly,	6 leagues and an half.
From the great Fisher to the little Fisher, N E and by E,	4 l.
From the little Fisher to Corsnes, E N E, and somewhat more Easterly,	1 great l.
From Corsnes to the Rode-hell, N E and by E,	3 l.
<i>Thwart Courses over Sea.</i>	
From Dagerort to Rose-head, S S W,	80 l.
From Dagerort to Eastergore, S W,	37 l.
From Dagerort to Godtsch-sand. S W and by W,	26 l. and an half.
From Dagerort to Boeckschaer, W and by N,	21 l.
From Dagerort to the point of Alandt, N W and by N,	20 l.
From	

From Oetgens-horn to the Out-rocks of Luys, N & by E,	15 l.
From Syburghues to the Mouth of Abbo, or Uity, N W,	20 l.
From Uttoy to Ercke, the outermost Island of Alandt, W,	9 l.
From Uttoy, or Abbo, to the Mouth of Luys, E,	21 l.
From Luys to the Channel of Elsenvos, E & E & by N, 15, or	16 l.
From Nargen to the Channel of Abbo, W and by N, 32, or	33 l.
From Nargen to the Channel of Elsenves, N N E,	86 l.
From Nargen to the <i>Wt-scharen</i> or Out-rocks of Luys, North North West,	13 l.
From the Wolf to Peltingschaers, N E, somewhat Easterly, or N E and by E,	20 l.
From the Channels Mouth of Elsenvos to Peltin-sound, E, and E and by S,	11, or 12 l.
From Pelting-sound to Putsfagre, E and by N,	5 l.
From Putsfagre to the Espelschaers, E,	6 leagues and an half.
From the Espelschaers to the <i>Goeschaer</i> or great Fiher, E N E,	10 leagues and an half.
From Eckholme to Elsenvos, N W,	21 l.
From Highland to Pletingschaers, W N W,	8 l.
From Highland to Putsfagre, N and by W,	6 leagues and an half.
From the Channel of Abbo to Boeschaer, S W & by S,	16 l.

CHAP. VII.

The Coast of SCHONEN and SWEDEN.

Between Bruntholm and Stockholm, as also the Islands of Gotland and Oeland.

Along the Coast.

From Sandhamer to Somerhaven, N E & by N,	1 great league.
From Somerhaven to Ahuys, N,	5 l.
From Ahuys to Hanno, E N E,	3 l.
From Hanno to <i>Derklippen</i> , or the Rocks, E & by S,	11, or 12 l.
From the Rocks to the Outlyers, N E and by N,	1 great league.
From the Outlyers to Cristianopel, N E and by E,	6 leag. and an half.
From the Rocks to Kalmer, N N E,	15, or 16 l.
From the Rocks to the south end of Oeland, E N E,	8 l.
From Sandhamer to the Rocks, N E and by E,	18 leagues and an half.

C

From

From the S end of Nargen to the Island Wolf, E and E and by N,	4 l.
From Revel to the Wolf, N and by W,	5 l.
From the Wolf to Wranger, E S E,	2 leagues and an half.
From the Wolf to Kocxschaer, E and by N,	2 leagues and an half.
From Kocxschaer to the east end of Wranger, S,	1 great l.
From Kocxschaer to little Wranger, S E and by S,	2 l. and an half.
From Wranger to Eckholm, E and by S,	13 l.
From Eckholm to the Castle of Telsburgh, East,	5 l.
From Telsburgh to the Road of the Narve, E and by S,	16 l.
From the Road of the Narve to the Russ-haecks, N and by W,	5 l.
From the Russ-haecks to the River Nioa or Oreschack, E N E,	14 l.
From Oreschack to the Rode-hell N and by E,	14 l. and an half.
From the Russ-haecks to the Red-hell, N E and by N	26 l. and an half.
From the Russ-haecks to the Island Rette-Starre, N N W,	5 l.
From Rette-Starre to Sommers, N, or somewhat easterly,	5 l.
From Eckholm to the Island Highland, N E,	11 or 12 l.
From the west side of Highland to the Road of the Narve, S E,	16 l.
From Highland to the little Tutters, S W and by S,	3 l.
From Highland to the great Tutters S and by E,	2 leagues and an half.
From the Island with the Mast to the little Tutters, E and by S,	2 leagues and an half.
From the Kocxschaer to the Island with the Mast, E and by S,	20 l.
From the Island with the Mast to High-land, N E and by E,	4 l.
From Kocxschaer to Highland,, E N E, and somewhat easterly,	22 leagues and an half.
From Highland to the Sommers, East,	6 leagues and an half.
From the Sommers to the Goeschæer, or great Fisher, N E, somewhat easterly,	6 leagues and an half.
From the great Fisher to the little Fisher, N E and by E,	4 l.
From the little Fisher to Corsnes, E N E, and somewhat more Easterly,	1 great l.
From Corsnes to the Rode-hell, N E and by E,	3 l.

Thwart Courses over Sea.

From Dagerort to Rose-head, S S W,	80 l.
From Dagerort to Eastergore, S W,	37 l.
From Dagerort to Godtsch-sand. S W and by W,	26 l. and an half.
From Dagerort to Boeckschaer, W and by N,	21 l.
From Dagerort to the point of Alandt, N W and by N,	20 l.
From	

From Oetgens-horn to the Out-rocks of Luys, N & by E,	15 l.
From Syburghues to the Mouth of Abbo, or Uity, N W,	20 l.
From Uttoy to Ercke, the outermost Island of Alandt, W,	9 l.
From Uttoy, or Abbo, to the Mouth of Luys, E,	21 l.
From Luys to the Channel of Elsenvos, E & E & by N, 15, or	16 l.
From Nargen to the Channel of Abbo, W and by N, 32, or	33 l.
From Nargen to the Channel of Elsenvos, N N E,	86 l.
From Nargen to the <i>Wt-scharen</i> or Out-rocks of Luys, North North West,	13 l.
From the Wolf to Peltingschaers, N E, somewhat Easterly, or N E and by E,	20 l.
From the Channels Mouth of Elsenvos to Peltin-sound, E, and E and by S,	11, or 12 l.
From Pelting-sound to Putsfagre, E and by N,	5 l.
From Putsfagre to the Espelschaers, E,	6 leagues and an half.
From the Espelschaers to the <i>Goeschaer</i> or great Fiher, E N E,	10 leagues and an half.
From Eckholme to Eisenvos, N W,	21 l.
From Highland to Pletingschaers, W N W,	18 l.
From Highland to Putsfagre, N and by W,	6 leagues and an half.
From the Channel of Abbo to Boeschaer, S W & by S,	16 l.

CHAP. VII.

The Coast of SCHONEN and SWEDEN.

Between Bruntholm and Stockholm, as also the Islands of Gotland and Oeland.

Along the Coast.

From Sandhamer to Somerhaven, N E & by N,	1 great league.
From Somerhaven to Ahuys, N,	5 l.
From Ahuys to Hanno, E N E,	3 l.
From Hanno to <i>Derklippen</i> , or the Rocks, E & by S,	11, or 12 l.
From the Rocks to the Outlyers, N E and by N,	1 great league.
From the Outlyers to Cristianopel, N E and by E, 6 leag. and an half.	
From the Rocks to Kalmer, N N E,	15, or 16 l.
From the Rocks to the south end of Oeland, E N E,	8 l.
From Sandhamer to the Rocks, N E and by E, 18 leagues and an half.	

C

From

- From the north point of Bruntholm to Ahuys, N and by W, somewhat northerly, 10 leagues and an half.
- From the north point of Bruntholm to Hanno, N and by E, 12 l.
- From the north point of Bruntholm to the Rocks, or *Derklippen*, North east, 16 l.
- From the N point of Bruntholm to Southerorden, N E and by E, 21 l.
- From the south end or east end of Bruntholm to the Rocks, North North East, 18 leagues and an half.
- From the east end of Bruntholm to Southerorden, N E, 24 l.
- From Kalmer to Scheggenes, N N E, 4 l.
- From Scheggenes to the Swedes Joufer, N N E, 6 leagues and an half.
- From the Swedes Joufer to the Idesound, the chanel of Westerwyck, or Silbuy, N and by W, somewhat westerly, 8 l.
- From the Swedes Joufer to Northerorden; the north end of Oeland, E and by N, 3 or 4 l.
- From Norther-orden to the Chanel of Westerwyck, N W, 9 l.
- From Norther-orden to Barfound N and by W, 16 l.
- From Norther-orden to the Havering, or the Chanel of Nykopping, North, 21 l.
- From Norther-orden to Hartsoe, N and by E, 22 leagues and an half.
- From Norther-orden to Landsoort, N N E, something northerly 24 l.
- From Havering to Landsoort, E N E, 8 l.
- From Houbrough to Eastergore, N E, 12 or 13 l.
- From Eastergore to Faro-sound, N, and N and by E, 6 l. and an half.
- From Faro-sound to Gotsche-sand, N N E, and N and by E, 6 l.
- From Houbrough to the Karels, N and by W, 6 leagues and an half.
- From the Karels to Wisbuy, N E, 6 leagues and an half.
- From the Karels to Gotsche-sand, N E, and N E and by E, 21 l.

Thwart Courses over Sea.

- From Souther-orden to Reefcol, S S E, 24 l.
- From Souther-orden to Rose-head, S E, 33 l.
- From Souther-orden to Quinsbrough-deep, S E and by E, and E S F, 48 l.
- From Souther-orden to Der Memel, East, 48 l.
- From Souther-orden to Sevenbergen, East, 48 l.
- From Souther-orden to Derwinda, E N E, and E and by N, 57 l.
- From Souther-orden to south end of Gotland N E and easterly, 24 l.
- From Souther-orden to the great Karel, N E and by N, 26 l. and an half.
- From Houbrough to the north end of Oeland, W N W, 12 l.
- From

From the Karels to the Swedes Joufer, W and by N,	12 leagues.
From the Karels to the Chanel of Stockholm, North, a little more westerly,	21 l.
From the Karels to Boeckschaer, N N E,	40 l.
From Gotsche-fand to the Boeckschaer, N E and by N, a little more northerly,	21 l.
From Gotsche-fand to the south Point of the Alands Haff, N, and N and by E,	33 or 34 l.
From Gotsche-fand to Uttoy, N N E,	36 l.
From Gotsche-fand to Dagerort, N E and by E, 26 leag. and and half.	
From Gotsche-fand to Derwinda, S E and by E,	32 l.
From Eastergore to Dagerort, N E and by E,	37 l.
From Eastergore to Derwinda East,	26 leagues and an half.
From Eastergore to Quinsbrough-deep, S S E,	51 l.
From Eastergore to Rose-head, South,	45 l.
From Houbrough to Hondsort, E N E, and N E and by E,	46 l.
From Houbrough to Luferort, E and by N,	38 l.
From Houbrough to Derwinda, E and by N,	37 l.
From Houbrough to Der Memel, E S E,	40 l.
From Houbrough to Quinsbrough-deep, S S E,	46 l.
From Houbrough to Rose-head South,	34 l.
From the north end of Gotland to Derwinda, E S E, southerly,	29 l.

CHAP. VIII.

The East Coast of ENGLAND and SCOTLAND.

From the North Foreland unto Hitland.

Along the Coast.

From the North Foreland to the North end of the Goodwin, E and by S,	1 league and an half.
From the North Foreland to Kentish-knock, N and by E, and N N E,	4 or 5 l.
From thence to Orfordness North,	12 l.
From the Foreland to the Galloper, N E and by N,	9 l.
From the Galloper to Orfordnes, N N W,	10 l.
From Albrough to Kasty, N and by E,	5 l.
From Kasty to Leistaff, North,	2 leagues and an half.

- From Leistaff to Yarmouth, South, 3 leagues.
 From Yarmouth to Winterton, N N W, 2 leagues and an half.
 From Winterton to Haesbergerort, N W, 2 leagues and an half.
 From Haesborgh to Cromer, N W and by W, and W N W, 4 l.
 From Cromer to Blackney W N W, 3, or 4 l.
 From Blackney to Burnum, to sail through within the Sand, W
 6 leagues and an half.
 From Burnum to Chappel, W S W, 2 leagues and an half.
 From Chappel to Elle-knock, or the north Point of Bostons-deep,
 N W and by N, 5 l.
 From thence to the north Point of Humber, N, and N and by W,
 6 leagues and an half.
 From the north Point of the Humber to Flambrough-head, North
 North West, 9 l.
 From Flambrough-head to Feley, N W, 2 leagues and an half.
 From Feley to Scarbrough, N W, 2 leagues and an half.
 From Scarbrough to Whitby, N W and by W, 5 l.
 From Whitby to the Teese, first W N W, Then W and by N,
 6 leagues and an half.
 From the Teese to Tinmouth, N N W, 8, or 9 l.
 From Whitby to Tinmouth, the Course is N W, and S E, 16 l.
 From Tinmouth to the Cocket Island, N N W, 8, or 9 l.
 From Tinmouth to the Staples, N and by W, 16 l.
 From the Staples to Barwyck, W N W, 3 l.
 From Barwick to St. Abbens-head, N N W, 5 l.
 From the Staples to St. Abbens-head, N W, 9 l.
 From St. Abbens-head to the Bas, W, 2 leagues and an half.
 From the Bas to Inckiff, W, and W and by N, 5 l.
 From St. Abbens-head to the Island May, N W, 2 leagues and an half.
 From St. Abbens-head to Fishnes, N W and by N, 4 large leagues.
 From Fishnes to Dondee, N N W, 5 l.
 From Read-head to Monros, N W, 4 l.
 From Monros to Stone-bey, N E and by N, 4 l.
 From Stone-bey to Boecknes, N N E, somewhat northerly, 16 l.
 From Aberdin to Boecknes, N N E, 12 l.
 From Boecknes, to Phylort, or Spyloort, N N W, 2 leagues and an half.
 From Phylort to the Point of Elgin, W, 20 leagues and an half.
 From the Point of Elgin to the Haven of Ross, or Luvernes, W
 and

and by South, somewhat southerly,	6 leagues and an half.
From Cape de Terbato to Catnes, N E and by N,	16 leagues.
From Catnes to Ilhoy, W N W,	5 l.
From Boecknes to Catnes, N W,	21 l.
From Boecknes to Orcanays, N and by W,	26 l.
From the north Point of Orcaney, to Fairhill, N E,	10 l.
From Fairhill to the south end of Hitland, N N E,	7, or 8 l.
From the south end of Hitland to the Island Rona, W S W,	45 l.
From the north end of Hitland to Rokoll, W S W,	128 l.

Thwart Courses over Sea.

From the Foreland to Flushing, East, somewhat northerly, about	26 leagues and an half.
From the Foreland to the Maze, E N E, or somewhat easterly,	33 l.
From the Foreland to the Tessel, or Mars-deep, N E,	45 l.
From the Naze or Harwitch, to the Maes, E,	29 l.
From Orfordnes to Tessel, E N E,	37 l.
From Yarmouth, or Leistaff, to Walcheren, or the Wielings, S E, and S E and by S,	39 l.
From the point of Crommer or Schield, to the Tessel, E,	41 l.
From the N point of Humber to the Tessel, E and by S, and E S E,	59 l.
From Tinmouth to Schuytenes, N E,	103 l.
From Tinmouth to the Naze in Norway, N E and by E, somewhat easterly,	102 l.
From Tinmouth to the Scaw, E N E,	135 l.
From Tinmouth to Holyland, E and by S, somewhat Easterly,	106 l.
From Fifsnes to Stone-bay, N and by E,	16 l.
From Boecknes to Hanglip, or the south end of Hitland, N and by E,	53 l.
From Boecknes to Schuytnes, E and by N,	69 l.
From Boecknes to the Naze, E, well so southerly,	90 l.
From Boecknes to Boevenbergen in Jutland, E and by S,	103 l.
From Boecknes to Holy-land S E and by E, something easterly,	122 l.
From Boecknes to the Tessel, S E, and well so southerly,	125 l.
From Boecknes to the Holms before Yarmouth, S S E, somewhat easterly,	98 l.
From Aberdin to the Holms before Yarmouth, S E and by S,	93 l.
From the south end of Hitland to the Islands Fero, W N W, and N W and by W,	61 l.
From	

From the north end of Hitland to the south end of Fero, W, and W and by N,	58 l.
From Hitland to the east Point of Ysland, N W and by W,	133 l.
From the north end of Hitland to Gryp, N E and by E,	125 l.
From Hitland to Stadt, E N E,	69 l.
From Fero to Rona, S and by E,	46 l.
From the south end of Fero to Rokol, S W, well so westerly,	85 l.
From Rona to Lewis, S W,	16 l.
From the north end of Lewis to St. Kilda, S W,	16 l.
From the south end of Lewis to the north west point of Ireland S S W,	26 l.
From St. Kilda to the north end of Hitland, N E and by E,	93 l.

Distances and Courses how to Sail.

From Hitland to Ysland, the Streights of David, States-point, and John Mayens Island.

From the south end of Hitland to the south west point of Ysland, W N W, half a point westerly,	260 l.
From the south-west point of Ysland, to the Clift of Reykenes, N,	6 leagues and an half.
From the Clift of Reykenes to the Haven of Hanifioert, E S E,	16 l.
From the south-west point of Ysland to Staten-point, W S W, somewhat westerly,	248 l.

Distances and Courses.

From Hitland to John Mayens Island, N, and N and by W, at the half, or about a point,	213 l.
From the north end of John Mayens Island to the north Cape, East, somewhat northerly, yet but very little,	226 l.
From the north end of John Mayens Island, to the southermost point of Spitzberg, W N W, and half a point northerly,	220 l.
From the south end of John Mayens Island to the Island Gryp on the Liet of Dronten, N W and a little northerly,	196 l.
From the south end of John Mayens Island to Langeness, the north east point of Ysland, S W, and half a point westerly,	148 l.
From the north corner to the south corner, N E and by E,	12 l.
From the north corner to the south-east corner of the little Sandy-bay, N E and by N, and N N E,	3 l.
From little Sandy-bay to Eyer Island, or the Island of Egges, or the begin-	

- beginning of the great *Hont* or Woodbay, E & by S, 1. and an half.
 From the Eyer Island to the first Rock that is like unto the Sail of a
 ship, S W and by W, 2 l.
 From the first Rock to the second Rock, which is also like the Sail of
 a ship, W, a little thought southerly, 2 l.
 From the second Rock to South corner, S W, 3 l.
 From the S corner to the five or seven Rocks, N W, half a league.
 From the South corner to the low South corner, or the *Hoy berg*, or
 Hay-stack, N, 1 great league.
 From the Hoy-berg to the South bay, N E, 1 league and an half.
 From the Fowly-rock to the Hoepstock-bay, N E, 1 large league.
 From the Fowly-rock to the Rudsen, N E, 2 l.
 From the Rudsen to the Briellish-Steeple, N E and by N, 1 large l.
 From the Briellish-Steeple to Mary Mus-bay, E & by N, 1 l. & an half.
 From Mary-Mus-bay to Muyens second cross corner, North East,
 1 large league and an half.
 From Muyens cross corner to the north corner, East, 3 l.

Distances and Courses.

 From the North Cape to Bears-Island, N N W, and N W and by W,
 71 or 72 l.
 From Suroy to Bears-Island, N N W, 66 l.
 From Bears Island to Hoopen-Island, N E and by N, 42 l.
 From the South-west to the North-east corner of Hoopen-Island,
 E N E, 10 leagues and an half.
 From the north-east corner of the Hoopen-Island to Black-point, N
 and by W, 13 l.
 From the Bears-Island to the Cape the Uyt-kyck, N N W, somewhat
 westerly, 37 l.
 From Cape the Uyt-kyck to Horn-zond, N N W, 8 l.
 From Horn-zond to the Bel-zond, N and by W, and N N W, 9 l.
 From Bel-zond to Yce-zond, N and by W, 15 l.
 From the south end to the north end of the Foreland, N, 20 or 21 l.
 From the north corner of the Foreland to the Dames Island, N E, and
 northerly, 12 l.
 From Magdalene-bay to Robbe-bay, N N E, 2 leagues and an half.
 From Robbe-bay to the south-bay, N N E, a large half league.
 From Divels-Island to the Vogel-sang, East North East, and Easter-
 ly, 1 league and an half.

From

- From the Vogel-sang to the Zews Uyt-kyck, S E, and Easterly, 1 league and an half.
- From the Zews Uyt-kyck to Moniers-bay, S E, half a large league.
- From Moniers-bay to the Red or *Roy-bay*, E S E, 5 l.
- From the Red-bay to Reene-velt, E S E, 6 leagues and an half.
- From the Zews Uyt-kyck to Reene-velt, E S E, 13 l.
- From the Reene-velt to the Gray-corner, S E, 4 l.
- From the Reene-velt to the Motten-Island, N E and by N, 5 l.
- From Orlogenes to the Cape Candenoës, N E, 46 l.
- From Candenoës to the Island Colgoye, E and by S, 26 l.
- From Candenoës to Swelgenoës, S E and by E, 29 l.
- From Candenoës to the Island Morsonowits, S E, 13 l.
- From Candenoës to Tuffara, E S E, 42 l.
- From Tuffara to Colcova, E 6 leagues and an half.
- From Colcova Pitfana, E and by N, 6 leagues and an half.
- From Pitfana to Pitfara, E and E and by N, 13 l.
- From Pitfara to Way-gats, about N E and by E, 15 l.
- From Catsnoes to the Islands of Solosky, W a little southerly, 37 l.
- From Catsnoes to Warfig, N W and by W, 16, or 17 l.
- From Catsnoes to Polongi, N W and by N, 22 leagues and a half.
- From the Islands of Solosky to Ombay in Lapland, N, 32, or 33 l.
- From Solosky to Warsia, E N E, 32 l.
- From Solosky to Polongi, N E and by E, 50 l.
- From Candenoës to Costintzarch in Nova Sembla, N E and by E 61 l.
- From the East end of Colgoyen to Way-gats, E, 60 l.
- From Pitfara to the East end of Colgoya, W N W, 42 l.
- From the Lowland to the Stream-bay, E and W, 5 l.
- From the Stream-bay to Yce-havens-corner, E and by N, 4 l.
- From Yce-havens-corner to the Islands corner, East N E, 6 leagues and an half.
- From the Islands corner to Vlissinger-head, N E and by E, 4 l.
- From Vlissinger-head to the Head-corner, N E, 5 l.
- From the Head corner to the corner of *Begeerten* (or Desire) S and N, 8 l.
- From the corner of *Begeerten* to the Islands of Oranjen, N W, 9 l.
- From the Islands of Oranjen to the Yce-corner, W, and W and by S 6 leagues and an half.
- From the Yce-corner to the Cape *Troost*, or Comfort, W, and W and by S, 33 l. From

- From the Cape of Comfort to the Cape Nassow, W and by N, 13 l.
 From the Cape Nassow to the East end of the Cross-Island, W, and
 by N, 10 leagues and an half.
 From the East end of Cross-Island to Wilhelms-Island, W, and by S, 4 l.
 From Wilhelms-Island to the Black-corner, W S W, 8 l.
 From the Black-corner to the East end of the Admiraltyes Island,
 W S W, 9 l.
 From the East-corner to the West-corner of the Admiraltyes Island,
 W S W, 6 leagues and an half.
 From the West-corner of the Admiraltyes Island to the Capo de
 Plancio, S W and by N, 13 l.
 From Capo de Plancio to Lomsbay, W S W, 10 leagues and an half.
 From Lomsbay to the Staten, or States corner, W S W, 13 l.
 From the States corner to Langenes, S W by S, 18 leagues and an half.
 From Langenes to the Capo de Cant, S W and by S, 8 l.
 From the Capo de Cant to the corner with the Black-rock, S and
 by W, 5 l.
 From the corner with the Black-rock to the Black-Island, S S E, 4 l.
 From the Black Island to Constintzarck, E and W, 1 leagues and an half.
 From Constintzarck to the Cross-corner, S S E, 6 leagues and an half.
 From the Cross-corner to St. Laurence-bay, S E, 8 l.
 From St. Laurence-bay to Meel-haven, S S E, 8 l.
 From Meel-haven to the two Islands, S S E, 21 l.

CHAP. IX.

The Coast of NORWAY.

From the Naze to the North-Cape.

Stretching alongst the Shore.

- From the Naze to Hitterroe, W N W, 5 leagues.
 From Hitterroe to Ekesound, N W, 4 l.
 From Ekesound to Sierowach, N W and by N, 2 leagues and an half.
 From Sierowach to Mids-Jedder, N W and by N, 1 leagues and an half.
 From Mids-Jedder to Rut, N N W, 4 l.
 From Rut to the Veetstone, N and by W, 2 l.
 From the Veetstone to Sybrichstone, N N E, 4 l.
 From Veetstone to Schuytenes, N N W, 1 l.
 From Sybrichstone to Schuytenes through within Witnings-eye W,
 5 l.

D

From

- From the Naze to the Out-seers, N W, 29 leagues.
 From Schuytenes to Bommels-head, N N W, somewhat Northerly,
 6 leagues and an half.
 From Bommels-head to Cruys-foort, N N, 9 l.
 From Cruys-foort to Harle, N N-W, 13 l.
 From Schuytenes to the Out-seers, W, and W and by N, 4 l.
 From the Out-seers to Jelfioerd, or the Wage of Bergen, N and
 by W, 26 l.
 From Jelfioerd or the Wage of Bergen, to the Rocks of Out-
 weer, N N W, end N and by W, about 11, or 12 l.
 From the Out-weers Rocks to Olde, N N W, and N and by W,
 4, or 5 leagues.
 From Olde to Kin, N and by E, and N N E, 4 l.
 From Olde to Ornael, N, and N and by E, 7, or 8 l.
 From Ornoel to the South point of Stade, N N E, 3 l.
 From the South point of Stade to the North point, N N E, 8 l.
 From the North point of Stade to Swyno, N E, and N E and by N,
 4 l.
 From Swyno to the outermost of Flowach, or the Broad-sound,
 N E and by E, 4 l.
 From the North of Stade to the Island Hessen, or the Broad-sound,
 N E, 8 l.
 From Hessen to Goeden, E, and E and by S, 2 leagues and a half.
 From Swyno alongst without the Roemsdaels Rocks to Boede, the
 Course is N E and by N,
 From Stemmes-hest to Gryp, N E and by E, 6 leagues and an half.
 From Gryp to the Islands of Momendael, N E, 18 leagues and an half.
 From Gryp to Holy-land, N E and by E, 26 leagues and an half.
 From Gryp to Rust, N, and N and by E, 64 l.
 From the Island Tromsoud to the West end of Suroy, E N E, 14 l.
 From the East-end of Suroy to Ingen, E and by N, 6 leag. and an half.
 From Helmes-huy to the North-cape, E and by N, 5 l.
 From the North-cape to North-kyn, E and by S, 12, or 13 l.

Thwart Courses over Sea.

- From Schuytenes to the Flye, S and by E, somewhat southerly, 106 l.
 From Schuytenes to the Tessel, S, and S and by E, 111 l.
 From Schuytenes to Walcheren, South, 140, or 142 l.
 From Schuytenes to the Holms before Yarmouth, S and by W, some-
 what

what westerly, 113, or 114 leagues.
 From Schuytenes to Flambrough-head, S W and by S, 104, or 106 l.
 From Schuytenes to Timmouth, S W, 104 l.
 From Schuytenes to Boeckenes, W and by S, something southerly, 72 l.
 From Schuytenes to Hitland, W and by N, and W N W, 66 l.
 From Schuytenes to the North end of Hitland, W N W, somewhat
 northerly, 71, or 72 l.
 From the Out-seers to the Flye, S and by E, 103, or 104 l.
 From the Out-seers to the Rocks Out-weers, N and by W, 40 l.
 From Jeltsefoerd or the Wage of Bergen, to Hitland, W, 48 l.
 From Jeltsefoerd or the Wage of Bergen, to the North end of
 Hitland, W, and W and by N, 50 l.
 From Stade to the North-end of Hitland, W S W, 69 l.
 From Stade to the East point of Ysland, W N W, 200 l.
 From Stade to Greenland, N W, about 333 l.
 From Gryp to the North end of Hitland, S W and by W, 125 l.
 From Gryp to the South-end of Fero, W S W, 166 l.
 From Gryp to the East point of Ysland, W, and W and by N, 233 l.

CHAP. X.

The Coast of LAPLAND, and the WHITE SEA.

Coasting along the Shore.

From the North-cape to the North-kyn, E and by S, 13 l.
 From the North-kyn to the Tane-bay, E S E, 10 leag. and an half.
 From Tane-bay to Matkorf or Ward-house, S E and by E; S E, and
 S E and by S, 16 l.
 From Ward-house to the Point of Kegor, S E and by S, E and by S,
 10 leagues and an half.
 From Kegor to Laus, S E and by S, somewhat easterly, 9, or 10 l.
 From Laus to the River of Kool, S and by E, & S S E, 10 l. and an half.
 From Laus to Kilduyn, S E & by S, something easterly, 10 l. and an half.
 From Kilduyn to the point of Tierrebirry, S E and S, S and by E, 5 l.
 From the point of Tierrebirry to the seven Islands S E and by S, 13 l.
 From Tierrebirry to Swetenoes, S E and by S, 40 l.
 From Swetenoes until two miles past Lombascho, S S E, 16 l.
 From thence to Orlogenes, South, 9 l.
 From Orlogenes to the Three Islands, S, 2 leagues and an half.

From the three Islands to Ponnoy, S W and by S, 2 leagues and an half.	
From the three Islands to the Cross-Island Soufnowits, S W,	20 l.
From the Cross-Island to Catnose, or the Gray-point, S W,	20 l.
From the Gray-point to the River of Arch-angel, S and by W,	13 l.
From the Mouth or Bar of Arch-angle to the Salt Island, South, somewhat westerly,	6 leagues and an half.
From the Salt-Island to the Cape Onega, W, and W and by N,	18 l.
From Cape Onega to the Islands Solofky, N W and by W,	20 l.
From the Cross-Island to Warfiga, W S W, and W and by S,	24 l.
From Warfiga to the point Tauria, W and by N, and W N W, and N W,	37 l.
From the point Tauria to Volna Ostrove, N N W,	2 l.
From Volna Ostrove to the Gouba Easterly of Ombay, N N E,	2 leagues and an half.
From Ombay to Candalax, N W and by W,	13 l.

Thwart Courses over Sea.

From Orlogenes to Cape de Candenoës, N E,	46 l.
From Candenoës to the Island Colgoye, E and by S,	26 l.
From Candenoës to Swelgenoes, S E and by E,	29 l.
From Candenoës to the Island Morsonewits, S E,	13 l.
From Candenoës to Tussara, E S E,	43 l.
From Tussara to Colcova, East,	6 leagues and an half.
From Colcova to Pitsana, E and by N,	6 leagues and an half.
From Pitsana to Pitsora, E, and E and by N,	13 l.
From Pitsora, to Waygats, about N E and by E,	14, or 16 l.
From Catnoës to the Islands of Solofky, West, or somewhat more southerly,	37 l.
From Catnoës to Warfiga, N W and by W,	17 l.
From Catnoës to Pologni, N W and by N,	22 leagues and an half.
From the Islands of Solofky to Ombay in Lapland, N,	32, or 33 l.
From Solofky to Warfiga, E N E,	32 l.
From Solofky to Pologni, N E and by E,	50 l.
From Candenoës to Constintzarck in Nova Sembla, N E and by E, about	61.
From the East end of Colgoyen to Waygats, East,	60 l.
From Pitsora to the east end of Colgoya, W N W,	43 l.



THE SECOND PART.

Containing the Distances and Thwart Courses of the Western Navigation.

CHAP. I.

From T E S S E L to the Heads of D O V E R.

Along the Coast.

F rom Tessel to the Maes, S S W,	24 leagues.
From Flushing to Blanckenbrough, almost W S W,	9 l.
From Blanckenbrough to Oostend, S W and by W,	2 l.
From Oostend to Newport, W S W,	3 l.
From Newport to Dunkirk, W, S W,	5 l.
From Dunkirk to Graveling, W S W,	4 l.
From Graveling to Callice, W S W,	4 l.
From Callice to Callice cliff, S W and by W,	1 great league.

Thwart Courses over Sea.

From Tessel to the Heads, or the Strait between Callice and Dover S W, somewhat southerly,	53 l.
From Tessel or Maersdeep to Callice-cliff, S W, and by S,	52 l.
From Tessel to the North-Foreland, S W,	45 l.
From Tessel to Orfordness, W S W,	37 l.
From Tessel to Yarmouth, W S W,	34 l.
From Tessel to Schield or Cromer, W,	40 l.
From Tessel or Maersdeep to Flambrough-head, W N W,	61 l.
From the Maersdeep to Leith in Scotland, N W and by W, somewhat Northerly,	100 l.
From Maersdeep to Newcastle, W N W, somewhat northerly,	83 l.
From Tessel to Boeckenes, N W and N, W and by N,	118 l.
From the Maersdeep to Aberdin, N W, somewhat northerly,	113 l.
From the Maersdeep to the Liet of Bergen in Norway, N,	118 l.
From	

From the Maersdeep to the North-end of Hitland, N N W, about 160 l. and then you fall about 5 leag. to the eastwards of the Land.	
From the Maersdeep to the Naze of Norway, N and by E,	93 l.
From the Maes or Goeree to Dover, S W and by W, somewhat westerly,	34 l.
From the Maes to the North-Foreland, W S W, somewhat westerly,	32 l.
From the Maes to the Naze, or Nefs, West,	29 l.
From the Maes to Hitland, N N W,	181 l.
From Flushing to the North-Foreland, W, and somewhat southerly,	25 l.
From Flushing to Dover, W S W,	26 l.
From the Wielings to Laystaff or Yarmouth, N W, and N W and by West,	38, or 40 l.
From the Heads of Dover and Callice to the Riff of Jutland, N N E,	120 l.
From Callice-cliff to the Naze or <i>Der Nense</i> in Norway, N E and by E,	135 l.

CHAP. II.

*Of the Coast of FRANCE.**From the Heads of England to Ushant.**Alongst the Coast.*

F rom Callice-cliff to Blacknes, S W,	1 league and an half.
From Blacknes to the Oldeman, South,	2 l.
From Blacknes to Somme, South,	13 l.
From Somme to Tresport, S S W,	6 leagues and an half.
From Tresport to Diep, S W,	6 leagues and an half.
From Diep to Fecam, W S W,	10 leagues and an half.
From Fecam to Struyfaert, S W and by W,	2 leagues and an half.
From Struyfaert, to Seynhead S W and by W,	2 leagues and an half.
From Seynhead to Caen in the Fosse, S S W,	6 leagues and an half.
From Blacknes to Diep, S S W, and S W and by S,	17 l.
From Blacknes to Struyfaert, or Cape de Caux, S W and by S, some- what westerly,	29 l.
From Caen to Dierfliet, or the point of Barfleur, N W,	16 l.
From Dierfliet to C. de Hague, W N W,	8 l.
From C. de Hague to C. de Voorha, S and by E,	6 leagues & an half.
From	

The Pilots Sea-Mirrouer.

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From C. de Voorha to Granville, S S E,	9 leagues.
From Granville to Mount St. Michael, S S E,	5 l.
From Granville to the Point of Concalles, S W,	5 l.
From the Point of Concalles to the easter-channel of St. Maloes, W and W and by S,	5 l.
From the Island Sisember before St. Maloes to Cape de Farelle, W,	4, or 5 l.
From C. de Farelle to the Island Briack, W and by N,	9, or 10 l.
From the Island Briack to the Pickels, W and by S,	2 l.
From the Pickels to the seven Islands, W S W,	5 l.
From the seven Islands to the Triacle-pots, W S W,	4 l.
From the Triacle-pots, to the Isle de Bas, W S W,	9 l.
From the Isle de Bas to Ushant, W S W,	16 l.
From C. de Bague to the west end of Jarsey through betwixt Sark and Jarsey, S S W,	9 l.
From the Caskets to the west end of Garnesey, S W and by S,	6 l.
From Garnesey to Jarsey, S E and by E,	6 leagues and an half.
From Garnesey to St. Maloes, S S E,	16 l.
From the South end of Jarsey to St. Malos, S S E,	9, or 10 l.
From Garnesey to the rocks Rockduves, S S W,	8, or 9 l.
From Rockduves to the Manchiers, E and by S,	9, or 10 l.
From Rockduves to C. de Farelle, S E,	10 leagues and an half.
From Rockduves to the rock Camine, S and by W,	4 l.
From Rockduves to the Island Briack, S and by W,	5 l.
From Garnesey to the seven Islands, S W and by S,	16 l.
From the Caskets to St. Paul de Lion, S W,	29 l.
From the Caskets to the Fourne or Ushant, S W and by W,	45 l.

Thwart Courses.

From Blacknes to the Caskets, W S W,	48 l.
From Blacknes to the Isle of Wight, W, somewhat southerly,	27 l.
From Blacknes to Beachy, W,	20 l.
From Diep to Island Wight, W N W,	37 l.
From Diep to Beachy, N W,	21 l.
From Diep to Dover, N,	23, or 24 l.
From Seynhead to Diervliet or the point of Shurburg, W well nor- therly,	20 l.
From Seynhead to Portland, N W and by W,	38 l.
From Struysaert to the east end of wight, N W, somewhat norther- ly, 29 l.	From

From Struyfaert to Beachey, N,	23, or 24 l.
From Struyfaert to Fayrly, N and by E,	27 l.
From Struyfaert to the point of Dover, N N E,	33 l.
From C. de Hague to the outermost of the Caskets, W and by N,	8 l.
From the Caskets to Beachy, N E and by E,	37 l.
From the Caskets to Wight, N E and by N,	20 l.
From the Caskets to Portland, N and by W,	13 l.
From the Caskets to the Steart, W N W,	19 l.
From the Caskets to Silly, W, somewhat northerly,	56 l.
From the Caskets to the Lizard, W and W and by N,	37 l.
From Garnesey to the Lizard, W and by N,	37 l.
From the seven Islands to the Lizard, N W and by W,	29 l.
From the seven Islands to the Steart, N and by W, somewhat we-	24 l.
sterly,	
From the seven Islands to Portland, N E and by N,	32 l.
From St. Paul de Lion to the Lizard, N W and by N,	29 l.
From St. Paul de Lion to the Steart, N and by E,	29 l.
From St. Paul de Lion to Portland, N E and by N,	40 l.

CHAP. III.

*The Coast of ENGLAND.**From Dover about the Lands-end unto the Point of St. David.**Alongst the Coast.*

F rom Dover to Dongie-nes, S-W and by W,	9 l.
From Dongie-nes to Fairlee, W S W,	3 l.
From Fairlee to Beachy, W S W,	5 l.
From Beachy to the Owers, W and by S,	13 l.
From Neer or thwart the Owers in 12 fathom unto Dunnose the South point of Wight, W S W,	5 l.
From Dunnose or <i>Wolfers-born</i> the southermost point of Wight unto the Needles of Wight, W and by N, and W N W,	4 l.
From the West end, or the Needles of Wight to the point of St. Albons land, W,	4 l.
From the Needles of Wight to Portland, W and by S, and W S W,	10 leagues and an half.
From Portland to Exmouth, W N W,	13 l.
From Exmouth to Turbay, S,	5 l.
From Turbay to Dartmouth, S W,	2 leagues and an half.
	From

From Dartmouth to the Staert, S W,	3 leagues.
From Portland to Turbay, W, somewhat southerly,	13, or 14 l.
From Portland to Dartmouth, W and by S,	16 l.
From Portland to the Staert, West South West, somewhat westerly,	18 leagues and an half.
From the Staert to Rame-head, W N W,	8 l.
From Rame head to the Island of Low, W S W,	5 l.
From the Isle of Low to Fox, W,	2 leagues and an half.
From Fox to the Dodmans-head, S W,	4 l.
From the Dodmans-head to Falmouth, W and by S, and W S W,	4 l.
From Falmouth to the Lizard, S and by W,	4 l.
From the Staert to the Eddy stone, or <i>Meeussteen</i> , W, or a little more westerly,	8 l.
From the Eddy-stone to Rame-head, North,	2 leagues and an half.
From Rame-head to Dodmans-head, W S W,	8 l.
From Dodmans-head to the Lizard, S W,	6 leagues and an half.
From the Staert to the Lizard, W and by S,	20, or 21 l.
From the Lizard to the Lands-end, W N W,	9, or 10 l.
From the Lands-end to Silly, W S W,	8 l.
From the Lizard to the Gulf, W and by N,	10 leagues and an half.
From the Lands-end to the Gulf, S S W,	3 l.
From the Gulf to Silly, W,	5 l.
From Silly to the Cape of Cornwall, N E,	9 l.
From the Cape of Cornwall to St. Yves, E and by N,	6 l.
From St. Yves to Stoupert-point, N E and by E,	9 l.
From Stoupert to Hartland-point, N E and by N,	9 l.
From St. Yves to Hartland-point, N E,	18 leagues and an half.
From Hartland-point to the Island Londey North,	4 l.
From the west end of Londey to Biddeford, E S E,	5 l.
From Biddeford to Ilfercombe, E N E,	4 l.
From Londey to the Holms, E N E,	20 l.
From the Steepholt to the River of Bristol, N E and by E,	12 l.
From the Steepholt to the Naes, W N W,	6 leagues and an half.
From the Naes to St. Gawens point, W, and somewhat northerly,	17 l.
From St. Gawens point to Milford-haven, N W and by N,	4 l.
From the Island Scaline to Ramsey, N N W,	2 leagues and an half.

Thwart Courses over Sea.

From Beachy to Blacknes, East,	20 l.
From Beachy to Struysaert, South,	24 l.
From Beachy to the Caskets, S W and by W,	37 l.
From Wight to Diep, E S E,	37 l.
From the east end of Wight to Struysaert, S E, somewhat southerly,	29 l.
From Wight to the Caskets, S W and by S,	20 l.
From Portland to Seynhead, S E and by E,	38, or 39 l.
From Portland to the Caskets, S and by E,	13 l.
From Portland to St. Paul de Lion, S W and by S,	40 l.
From Portland to Ushant, S W,	53 l.
From the Steart to the Caskets, E S E,	19 l.
From the Steart to the Sept-Isles, S & by E somewhat easterly,	24 l.
From the Steart to St. Paul de Lion, S and by W,	29 l.
From the Steart to Ushant, S W and by S,	40 l.
From the Lizard to Garnefey, E and by S,	37 l.
From the Lizard to the seven Islands or Sept-Isles, S E and by E,	27 l.
From the Lizard to Ushant, S,	29 l.
From the Lizard to Cape de Finisterre, S S W,	153 l.
And that Course is about five leagues without the Cape.	
From the Lizard to Teneriffe, S S W,	466 l.
From the Lizard to Tercera, S W and by W,	386 l.
From Silly to the Caskets, E, somewhat southerly,	56 l.
From Silly to Ushant, S E and by S,	37 l.
From Silly to C. de Finisterre, S and by W, a little westerly,	150 l.
From Silly to C. Clear in Ireland, N W and by N,	40 l.
From Silly to Waterfoord, N, somewhat westerly,	40 l.
From the C. of Cornwall to Londey, N E and by N,	26 l.
From the C. of Cornwall to Milford in Wales, N N E, 32, or 33 l.	32, or 33 l.
From Silly to Milford, N N E somewhat easterly,	40 l.
From the C. of Cornwall to the Rock Tuskar, N and by W,	40 l.
From the C. of Cornwall to Waterfoord, N N W, but from Silly N and by W, well so northerly,	40 l.
From Londey to Milford, N and by W, and N N W,	12 or 13 l.
From Milford to the C. of Cornwall, S S W,	32 l.
From Milford to Silly, S S W,	40 l.

CHAP. IV.

The Coast of IRELAND.

Along the Coast.

- From Waterford to the Islands of Saltees, E: But to go about to the foutherd of them, E S E; 3 l.
- From the south end of the Saltees to Black-rock, N E and by E, 2 leagues and an half.
- From Black-rock to Carnaroort, N E, but to Grenore, 2 l. and an half.
- From the Saltees to the Tuskar, E N E, but from without the foul ground to the foutherd of the Saltees, N E and by E, 5 l.
- From Black-rock to the Tuskar, E N E, 3 l.
- From the Tuskar to Grenore, N W & by W, and W N W, 1 large l.
- From Grenore into Green-bay, first N W and by N, then afterwards, W N W, 1 large l.
- From Green-bay to the Barre of Washford, N and N and by W, 1 league and an half.
- From the Barre unto Washford, it is about two leagues.
- From the point of Glaskarrick to the point of Arkelo, N and by E, 2 leagues and an half.
- From Arkelo to Mizan-head; N and by E, well so Easterly, 2 leagues and an half.
- From Mizan-head to the point of Wicklo, N and by E, somewhat easterly, 2 l.
- From Wicklo head to the flat point by Nicastle, 3 l.
- From Nicastle to the point of Brae, N and N and by W, 2 l.
- From Wicklo-head to Brae-head, N and N and by W, 5 l.
- From Brae-head to the Island of Dalke, N & by W, 2 leag. & an half.
- From Dalke to the Barre of Dublin, N N W, 2 l.
- From the Sound of Dalke to the point Houth, North North East, 2 leagues and an half.
- From the Barre to the City Dublin, W S W, 2 leagues and an half.
- From Lambey to Drodagh, N W and by N, 5 l.
- From Lambey to Carlingford, N and by W, 13 l.
- From Carlingford to St. Johns point, N E, somewhat easterly, 7 l.
- From St. Johns point to Strangford, N E and by N, 5 l.
- From Lambey to the South-rock, N N E, 21 l.
- E 2
- From

- From the North rock and South-rock to the Copland Isles, N N W,
6 leagues and an half.
- From the Copland Isles to the North point of the Bay of Knock-
fergus, N W somewhat northerly, 4, or 5 l.
One league to the Northwards lyeth the Haven of Oldefliet.
- From Oldefliet to the Raghleens through within the Mayds, N
N W, 7, or 8 l.
- From the Raghleens to Shires Portrush, W S W, 7 l.
- From Lough-foyl to the Islands Enesterhull, N W, 5, or 6 l.
- From Enesterhull to Lough-swilly, S W, 5 l.
- From Lough-swilly to Sheep-haven, W S W, 4, or 5 l.
- From Cape de Horn, or Hornhead, to the Island Tore, W N W,
2 leagues and an half.
- From the Island Tore to the Isles of Aron, S W and by S, 8, or 9 l.
- From the Islands of Aron unto Telling-head S S W, 8, or 9 l.
- From Cape de Tellin or Telling-head, to Kilbegh, E S E, 5 l.
- From Cape de Tellin to the Stagges of Broad-haven, South West,
11, or 12 l.
- From the Point of Broad-haven to Black-rock, South-south West,
South, 6 leagues and an half.
- From Black-rock to Ackle-head, S E, 1 large league.
- From Ackle-head to Slynf-head, S and by E, 13 l.
- From Slynf-head to the Bay of Galloway, S E, 9 l.
- From the Bay of Galloway to Lupis-head (the north point of Lim-
brick-haven) S S W, 12, or 13 l.
- From Lupis-head to Smerrick, S W, 7, or 8 l.
- From Smerrick to the Blaskeys, W S W, 4 l.
- From Sleynt head to Sinbrandon-hill, S and by W, 26 l.
- From the Bay of Galloway to the Blaskeys, S W and by S, 21 l.
- From the Sound of Blaskeys unto Cape Dorseys, or the Skellocks,
6 leagues and an half.
- From Dingle-haven unto Skellocks, S W and by S, 7 l.
- From the Skellocks unto the Dorseys, S E, 7, or 8 l.
- From Cape Dorsey to Mizan-head, E S E, 8 l.
- From Mizan-head to Sheeps-head, N, 3 l.
- From Sheeps-head to Beer-haven, N and by W, 2 leagues and an half.
- From Mizan-head to Beer-haven, N and by W, 5 l.
- From Beer-haven to the Island Whiddy, the Course is East North
East,

E, and North-east and by E, 7, or 8 leagues.
 From Mizan-head to Cape Clear, E and by S, 6 leagues and an half.
 From Cape Clear to Croock-haven, N W, 5 l.
 From Cape Clear to Cape de Velho, or Old-head, E, and by N, 13 l.
 From Old-head or Cape de Velho, to the Haven of Kingsale, the
 Course is N and by E, 1 league and an half.
 From Old head or Cape de Velho to Corek, N E and by E, 5 l.
 From Corek to Waterford, the Coast stretcheth almost East North
 East.

Thwart Courses.

From Waterford to Grosholm, E and by S, 21 l.
 From the Tuskar to the Rock Mascus, E and by S, 8 l.
 From Tuskar to the Rocks-smales, S E and by S, 10 leagues and an half.
 From Tuskar to the Lands-end of England, S and by E, 40 l.
 From Waterford to the Lands-end of England, S S E, but to Silly,
 S and by E, somewhat southerly, 40 l.
 From the Barre of Dublin to Holy-hill in the Island of Anglesey,
 E and by S, 18 leagues and an half.
 From Black-rock to Rokol, N and by W, 80 l.
 From C. Dorsey to Silly, S E and by E, 56 l.
 From the Dorseys to C. de Finisterre, the Course is S and by E and S,
 173 l.
 From C. Cleare to the Lands-End of England, S E and by E, 53 l.
 From C. Cleare to Silly, S E, 46 l.
 From C. Cleare to C. de Finisterre, S, 173 l.
 From C de Velho or Old-head to the Lands end of England, S E,
 45 l.

CHAP. V.

The Coast of FRANCE.

From Ushant to Bayon.

Along the Coast.

From the Fourne to St. Mathews point, S S E, and S E and by S,
 4 l.
 From St. Mathews point to Croydon or *Clafduyr*, East South East,
 2 leagues and an half.
 From

From St. Mathews point to the Race of Fontenay, or the Keyser,	
S and by E,	5 l.
From the West Pennes to the East Pennes, or Glannons, E S E,	
	6 leagues and an half.
From Glannons or Gloyland, to Groy, E and W,	9 l.
From the East-end of Groy to the West-end of Bell-Isle, S E and	
by E,	12 l.
From Glannons or Gloyland to Bell-Isle, S E and by E,	12 l.
From the north-west end of Bell-Isle to the south-west end, S E and	
by E,	3 l.
From the West-pens to Bell-Isle, E S E,	21 l.
From the East-end of Bell-Isle to the East-end of the Cardinal, E and	
by N,	4 l.
From the East point of the Cardinal to the mouth of Morbeam,	
N N W,	4 l.
From the East point of the Cardinal to Croswyck, E N E,	5 l.
From the Point of Croswyck to Pierre-Perce, E S E,	3 l.
From the Cardinal to Old-downs, E N E,	6 leagues and an half.
From the North point of the River of Nantes to the Picqueliers,	
S S W,	6 leagues and an half.
From Pierremen to Armentiers, W S W,	3 l.
From Armentiers or Picqueliers, to the West end of Use, S and by E,	
and S S E,	7 l.
From the East end of Bell-Isle to Use, S E, well easterly,	16 l.
From Use to the Barges of Olone, E and by S,	7 l.
From Use to the Killiates or St. Martins Island, E S E,	12, or 13 l.
From Use to Portrulk or the Band of Oleron, South East and by East,	
	15, or 16 l.
From Cordan to Arcason, South,	20 l.
From Arcason to Bayon, South,	16, or 17 l.

Thwart Courses over Sea.

From Ushant to Portland, N E,	53 l.
From Ushant to the Steart, N E and by N,	40 l.
From Ushant to the Lizard, North,	29 l.
From Ushant to Silly, N W and by N,	37 l.
From Ushant to Cape Clear in Ireland, N W,	84 l.
From Ushant to St. Michaels Island, S W and by W,	360 l.
From Ushant to the C. Finisterre, S S W, somewhat westerly,	122 l.
From	

From Ushant to Cisarga, S S W,	113 l.
From Ushant to Cape Prior, S S W,	106 l.
From Ushant to Cape de Pinas, south,	95 l.
From Ushant to Laredo, South-south East,	113 l.
When you sayl away from Ushant South and by East, then you run a little without the Seames.	
From the Race of Fontenay to the Pennes, S E,	9 l.
From Fontenay to Old-yarn, E S E,	5 l.
From Old-yarn to the Pennes, S E and by S,	5 l.
From the West end of the Seams to the Pennes, E S E, somewhat southerly,	13 l.
From the Seams to the Band or <i>Crage</i> of Oleron, S E and by E,	71, or 72 l.
From the Seams to Bayone in France, S E,	112 l.
From the Seams to St. Sebastians, S E and by S,	112 l.
From the Seams to Bilbo, South-south East, somewhat Easterly,	101 l.
From the Seams to St. Andero, South-south East,	95 l.
From the Seams to Cape de Pinas, or <i>Tores</i> , South,	88 l.
From the Seams to Ribadeus, S and by W,	93 l.
From the Seams to Cape Ortegall, S S W, somewhat southerly,	90 l.
From the Seams to Cape de Finisterre, S W, and by S, somewhat southerly,	112 l.
From the Seams to Silly, N N W,	45 l.
From the West Pens to Viverus, S S W,	88 l.
From the West Pens to Cisarga, S W and by S,	103 l.
From Groy to Viverus, S W and by S,	93 l.
From Groy to Cape de Finisterre, S W,	123 l.
From Bell-Isle to the River of Bourdeauz, S E,	50 l.
From Bell-Isle to St. Sebastians, South-south East, and somewhat southerly,	80 l.
From Bell-Isle to St. Andero, South,	73 l.
From Bell-Isle to Cape de Pinas, or <i>Tores</i> , S S W,	80 l.
From Bell-Isle to Cape de Ortegall, S W,	90 l.
From Bell-Isle to Cape de Finisterre, S W,	122 l.
From Use to Cape de Pinas, S W and by S,	75 l.
From Use to Cape de Ortegall, S W and by W,	93 l.
From	

From St. Martins Island to the River of Bourdeaux, South-South East,	16 l.
From the Band or <i>Crage</i> of Oleron to the Tower of Cordan, S S E, and S and by E,	13 l.
From St. Martins Island to Cape de Pinas, S W,	80 l.
From St. Martins Island to Ortegal, W S W, and somewhat southerly,	49 l.
From the Tower Cordan to Cape de Pinas, W S W, and somewhat southerly,	75 l.
From Bayone to the Seams, N W,	112 l.

CHAP. VI.

*The Coast of BISAYE, and GALLISSIA.**From Bayone to Cape de Finisterre.**Alongst the Coast.*

F rom Bayone to St John de Luz, S and by W,	4 leagues.
From St. John de Luz to the Pignons of St. Anna, S W and by West,	2 leagues and an half.
From St John de Luz to St. Sebastians, West,	8 l.
From St. Sebastians to Gateria, West and by North, and West North, West,	8 l.
From Gateria to C. Martinchaco, N W,	5, or 6 l.
From C. Martinchaco to Bilbao, S S W, and S W and by S,	6 leagues and an half.
From Placentia to Bilbao, W S W, and by S,	2 leagues and an half.
From the point of Bilbao to Castro, W,	5 l.
From Bilbao to the St. Antony, W and by N,	9, or 10 l.
From Castro to Laredo, W,	5 l.
From M S Anthony to C. Kesgo, W, and W, and by South	2 leagues and an half.
From Cape Kesgo to the Haven of St Andero, W S W,	3 l.
From Cape Kesgo to the West point of St Andero, W, and W and by N,	4 l.
From St. Anthony to the West point of St Andero, W,	5 l.
From	

From St. Andero to Cape de Pinas, West, well so northerly,	37, or 39 l.
From St. Andero to St. Martin, or <i>Settervilles</i> , W,	4 l.
From thence to St. Vincent, W,	5 l.
From St. Vincent to Lhanes, W,	3, or 4 l.
From Lhanes to Rio de Sella, W,	5, or 6 l.
From Rio de Sella to Villa Viciosa, West,	9 l.
From Villa Viciosa to Sanson, W,	6 leagues and an half.
From Sanson to Cape de Pinas, W and by N, and W N W,	7, or 8 l.
From Cape de Pinas to Avilles, S S W,	2 leagues and an half.
From Luarda to Ribadeus, W S W,	6 leagues and an half.
From Ribadeus to Cape de Brilo, N W,	8 l.
From Cape de Pinas to Ribadeus, S W and by W,	13, or 14 l.
From Cape de Pinas to Ortegal, W and by N, and somewhat westerly,	29 l.
From Cape Ortegal to Siverus, S W,	5 l.
From Siverus, to Cape de Prior, S W,	5 l.
From C. de Prior to Ferol, S and by E,	2 leagues and an half.
From Ferol to the Groyn, S and S by W,	4 l.
From the Groyn to Cisarga, W,	8 l.
From Cisarga to Queres, South and by W, and South South West,	2 leagues and an half.
From Cisarga to Cape de Bylem, or the East point of Monsy, S W and by W, and W S W,	12, or 13 l.
From Cape de Bylem to Cape de Coriane, or Torrivanor, S W,	2 leagues and an half.
From Cape de Coriane to the Cape de Finisterre, South,	2 leagues and an half.
From Cape de Ortegal to Cape de Prior, S W,	10 leagues and an half.
From Cape de Ortegal to Cisarga, S W, and S W and by W,	18 leagues and an half.
From Cape de Prior to Cisarga, S W and by W,	9 l.
From Ferol to Cisarga, W and by S,	8 l.
From Cape de Ortegal to Cape de Coriano, S W and by W,	33 l.

Thwart Courses over Sea.

From St. Sebastians to Bell-Isle, N N W, and somewhat northerly,	80 l.
From St. Sebastians to the Seames, N W and by N,	112 l.
From Cape de Martinchaco to Arcafon, N E, and somewhat easterly,	28 l.
From Cape Martinchaco to Use, N, somewhat easterly,	60 l.
From St. Andero to the Seames, N N W,	95 l.
From Cape de Pinas to the Tower of Cordan, E N E, and N E and by E,	72 l.
From Cape de Pinas to Porthus, or St. Martins Island, N E, and somewhat easterly,	80 l.
From Cape de Pinas to Bell-Isle, N N E,	80 l.
From Cape de Pinas to the Seames, N,	88 l.
From Cape de Pinas to Cabode Veilli in Ireland, N and by W, and westerly,	170 l.
From Cape de Ortegal to Waterford in Ireland, the course is North,	168 l.
From Cisarga to Cape Vejo, N,	160 l.
From Cisarga to Silly, N and by E,	137 l.

CHAP. VII.

*The Coast of GALLISSIA and PORTUGAL.**Alongst the Coast.*

F rom Cape de Finisterre to Moores or Monte Lauro, South East,	5 l.
From Rio Loxo to Ponte Vedra, S S W,	4 l.
From Ponte Vedra, or <i>Blydones</i> to the Islands of Bayone, South South East,	5 l.
From Bayone to Camina, S and by E,	4 l.
From Cape de Finisterre to the Islands of Bayone, S E and by S,	18 leagues and an half.
From Cape de Finisterre to Port a Port, S S E,	44 l.
From Cape de Finisterre to Averro, S and by E,	53 l.
From	

The Pilots Sea-Mirror.

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From Cape de Finisterre, to the Burlings, South,	67 l.
From Camina to Viana, S S E,	7 l.
From Viana to Villa del Conde, S and by E,	6 l.
From Villa del Conde to Port a Port, S and by E,	5 l.
From Port a Port to Averro, S	10 leagues and an half.
From Averro to Cape de Montego, S S W,	6 leagues and an half.
From Cape de Montego to Penich, or Cape del Filiron, S W and by S,	10 leagues and an half.
From Cape de Montego to the Burlings, S W,	13 l.
From Cape del Filiron or Nova Lisbona, to the Rock or Roxent, South,	15, or 16 l.
From the Burlings to the Rock or Roxent, S and by E, S S E,	16 l.
From Roxent to the Cape Pitcher, or St. Ulves-point, S E and by S,	10 leagues and an half.
From Cape Pitcher to Cape St. Vincent, South, and South and by East,	29 l.
From Roxent to the Cape St. Vincent, S and by E,	37 l.

Thwart Courses over Sea.

From Cape de Finisterre to the great Cannaries, S S W, and somewhat southerly,	307 l.
From Cape de Finisterre to the Salvages, S S W,	273 l.
From Cape de Finisterre to the Isle de Madera, S W and by W, somewhat southerly,	197 l.
From Cape de Finisterre to the Isle de St. Michael, W S W,	247 l.
From Cape de Finisterre, to the Isle Tercera, W S W, and W and by S,	278 l.
From Cape de Finisterre to the South west point of Ireland, N and by W, and N,	173 l.
From Cape de Finisterre to Cape de Claro, N,	173 l.
From Cape de Finisterre to Waterford, or to the south east point of Ireland, N and by E,	186 l.
From Cape de Finisterre to the Lizard, N N E,	153 l.
From Cape de Finisterre to the Seames, N E and by N,	112 l.
From Cape de Finisterre to the Bell-Isle, S W and N E,	122 l.
From Aveiro to the Burlings, S W,	20 l.
From Bayone to the Burlings, S and by W,	49 l.
F 2	From

From Port a Port to the Burlings, S S W, and S W and by S,	29 l.
From the Burlings to Cape St. Vincent, S and by E,	53 l.
From the Burlings to the great Canaries, S S W,	248 l.
From the Burlings to the Island Palma, S W and by S,	256 l.
From Roxelent or the River of Lisbon to the great Canaries, S S W, somewhat westerly,,	240 l.
From the River of Lisbon to the Isle de Salvages, South West and by South,	208 l.
From the River of Lisbon to Porto Santo, S W	160 l.
From the River of Lisbon to the Isle Madera, S W,	173 l.
From the River of Lisbon to the Island Tercera, W	333 l.

CHAP. VIII.

The SPANISH Coast.

From Cape St. Vincent vnto the Cape de Gate in the Mediteranean Sea.

Alongst the Coast.

F rom Cape St. Vincent to Ragos or Laves, East and by North,	6 leagues and an half.
From Lagos to Villa Nova, E,	4 l.
From Villa Nova to Cape Maries, or Faro, E and by S,	9 l.
From Cape St. Maries or Faro, to Tavila, N E and by E,	5 l.
From Tavila, to Ayemonte, E N E,	5 l.
From Cape St. Vincent to Cape St Maries, E,	18 leagues and an half.
From Cape St. Maries to Leep, or St Michaels, E N E,	17 l.
From Cape St. Maries to Saltees, E N E,	24 l.
From Ayemonte to Leep, E and by N,	6 leagues and an half.
From Leep to Saltees or Palos, E and E and by S,	6 leagues and an half.
From Saltees to the River of St. Lucas, or Sipiona, S E, and S E and by E,	8, or 9 l.
From St. Lucas, or the point of Sipiona to the point of Cales, S E,	9 l.
From Cales to the mouth or point of the Streights, South South East,	10 leagues and an half.
From Cape Trafalgar to Tariffe, S E,	4 l.
From Tariffe to the point of Gibraltar, E and by N,	5 l.
From the point of Gibraltar to Marveles, N E and by N,	12 l.
From	

The Pilots Sea-Mirror.

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From Marveles to Fangerola, E N E,	5 l.
From Fangerola, to the West point of Mallaga, East North East,	2 leagues and an half.
From the West-point of Mallaga to the Town of Mallaga, N E,	4 l.
and N E and by N,	
From the point of Gibralter to Mallaga, N E,	23, or 24 l.
From Mallaga to Veles Mallaga, E, & E & by N, 6 leagues and an half	
From Veles Mallaga to Almunecar, E,	15, or 16 l.
From Almunecar to Solobrena, E,	4 l.
From Solobrena to Modril, E and by N,	2 leagues and an half.
From Modril to Cape de Sacraftyf, E. S E,	1 large l.
From Cape de Sacraftyf to Castel de Fierro, E and by N,	4 l.
From Castel de Fierro to Adera, E,	8 l.
From Adera to Almeria, N E,	5 l.
From Almeria to Cape de Gat, S E and by E,	5, or 6 l.
From the point of Gibralter to Cape de Gat, E and by N,	66 l.
From Cape de Spartel in Barbary, to the point of Apehil, or <i>Sche-</i> <i>minckelbergh</i> , the course is E N E,	8 l.
From Apehil to the point of Seuta, S E and by E, 2 leagues and an half.	
From the point of Seuta to the Road of Tetuan, S,	5, or 6 l.

Thwart Courses over Sea

From Cape de St. Vincent to the Cape Cantin, S,	86 l.
From Cape Vincent to Cape de Geer, S, and westerly, at least	133 l.
From Cape St. Vincent to the Island Lanzerotte, S S W,	162 l.
From Cape St. Vincent to the great Canaries, South West and by South,	210 l.
From Cape St. Vincent to the Isle de Palma, S W,	224 l.
From Cape St. Vincent to Porto Santo, S W and by W,	138 l.
And to Madera, S W and by W,	157 l.
From Cape St. Vincent to the Isle of St. Maries, W,	24 l.
From Cape St. Maries to Sipiona, E,	29 l.
From Cape St. Maries to the Streights, E S E, and S E and by E,	45 l.
From Cape St. Maries or Faro to Cape Cantin, S and by W,	90 l.
From Cape St. Maries to the great Canaries, S W, and S W, and by S,	220 l.
From Cape St. Maries, or Faro to the Isle de Madera, S W and by W,	179 l.
From	

From Cales to the Great Canaries, S W, 240 l.
 From Cales to the Isle de Madera, W S W, 200 l.

CHAP. IX.

The Coast of BARBARY.

*From the Streights of Gibraltar to Cape de Geer, as also of the
 Canary and Flemish Islands.*

Alongst the Coast.

From Cape Spartel to Arzil, S and by W, 6 leagues and an half.
 From Arzil to Alarach, S and by W, 8 l.
 From Alarach to old Mamora, S and by W, and S S W, 7, or 8 l.
 From Old Mamora to Mamora, S & by W, & S S W, 6 l. and an half.
 From Mamora to Salley, S W & by S, & S S W, 6 leagues and an half.
 From Salley to the Island Fedalle, S W and by S, 10 l.
 From Fedalle to Anafee, S W and by S, and S W, 3 l.
 From Anafee to Azamor, South West and by West, westerly.,
 18 leagues and an half.
 From Azamor to Masagam, W S W, 2 leagues and an half.
 From Masagam to Cape Blanco, W S W, and somewhat westerly, 3 l.
 From Cape Blanco to Cape Cantin, W S W, and S W and by W, 9 l.
 From Cape Cantin to the North point of Saffia, the coast is South, or
 somewhat more westerly, 6 l.
 From the point of Saffia to the Island Mogodor, S S W, 19, or 20 l.
 From Mogodor to Cape de Geer, S S W, 22 leagues and an half.
 From Cape de Geer to St. Cruz, S E, and S E and by E, 5 l.

Canary and Flemish Islands.

From the West point of Forteventura to the Island of the great
 Canaries, E and W, 19, or 20 l.
 From the North point of the Canaries to punte de Nago, the North
 East point of Teneriffe, W N W, 21 l.
 From Punte de Nago to Garrichica, W S W, and S W and by W,
 8, or 9 l.
 From Teneriffe to Isle de Palma, W N W, 20 l.
 From the West end of Teneriffe to Gomera, W, 5 l.
 From Palma to Ferro, S and by W, 13 l.
 From

The Pilots Sea-Mirroure.

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From the great Canaries to Salvages, N N W,	40 l.
From Garrichica to Salvages, N N E	30 l.
From Teneriffe to the Isle Madera, N,	72 l.
From the Great Canaries to the East end of Madera, North and by West,	85.
From La Palma to Madera, N and by E,	53 l.
From Salvages to the Serters of Madera, N	40 l.
The Outermost of the Serters lie from Madera,	4 l.
From St. Michaels to Tercera, N W and by W,	34 l.
From Tercera to the East end of St. Georges, W S W,	10 l.
From the East end of St. Georges to Fayal, W N W,	16 l.

Thwart Courses oves Sea.

From Cape Spartel to Cape Cantin, it is S W, and somewhat southerly,	80 l.
From Cape Spartel to Madera, W and by S, and W S W,	200 l.
From Cape Cantin to Madera, W,	133 l.
From Cape Cantin to Cape St. Vincent, N, well so westerly,	90 l.
From Cape Cantin to Teneriffe, S W and by W,	143 l.
From Cape Cantin to Cape de Geer, S S W,	50, or 53 l.
From Cape de Geer to Cape de Non, S S W, and S and by W,	26 leagues and an half.
From Cape de Non to Ofin, South,	13 l.
From Cape de Non to Cape de Bajador, S W and by W,	69 l.
From Cape de Geer to Cape de Bajador, South W, and somewhat westerly,	110 l.
From Saffia to Madera, E and W,	130 l.
From Cape de Geer to Madera, W N W,	133 l.
From Madera to St. Michaels, N W,	136 l.
From the West end of Fonteventura to Cape de Bajador, South South West,	20 l.
From Lancerota at the Cape St. Vincent, N N E,	180 l.
From the great Canaries to Cales, N E,	240 l.
From great Canaries to Cape St. Vincent, N E and by N,	246 l.
From great Canaries to Roxent, N N E, & somewhat easterly,	240 l.
From great Canaries to C. de Finisterre, N N E, and somewhat northerly,	307 l.
	From.

From Teneriffe to the Lizard, N N E,	466 l.
From La Palma to the Cape St. Vincent, N E	224 l.
From Madera to Cape de Geer, E S E,	133 l.
From Madera to Saffia, E,	130 l.
From Madera to Cales, E N E,	200 l.
From Madera to Roxent, N E	173 l.
From Madera to the Cape de Finisterre, N E and by N, and well so northerly,	245 l.
From St. Michaels to the Cape de Finisterre, E N E,	246 l.
From Tercera to Roxent, or the River of Lisbon, E, at least	967 l.
From Tercera to Cape de Fenisterre, E N E, and E and by N,	280 l.
From Tercera to the Lizard, N E and by E,	386 l.

F I N I S.

Advertisment to the Reader.

V *Hereas in the Translation of the Dutch Sea-Mirror, and the Lighting Column, many gross Errors have been committed in the Distances and Courses, as also Dutch Miles placed for and in the name and title of English Leagues, The Reader may please to take notice that the faults are corrected, and the Dutch Miles calculated, and turned into English Leagues, as they ought to be, according to 20 Leagues in a Degree, for the good and right understanding of our English Navigators and Sea-men; and for preventing all difficulties and mistakes which otherwise easily might happen. By a Well-wisher of the good and welfare of our English Nation, hoping it will take as kind acceptance by all Lovers of this Famous Art, as willingness in the Translator.*

L. C.

D. H. M. The TABLES of the TIDES.

0 12 0
1 12 48
2 1 36
3 2 24
4 3 12
5 4 0
6 4 48
7 5 36
8 6 24
9 7 12
10 8 0
11 8 48
12 9 36
13 10 24
14 11 12
15 12 0

South and North.

At the Juttish Islands.
Before the Hever, Eyder and Elve.
At Emden and Delfsziel.
Before Enchuyfen, Horn and Urck; Upon all the
Coasts of Flanders.
At the Foreland. At Dover in the Pier.
At Beversey on the land. At Hampton on the
Key. Before Stierenberch and the Ras of Blanc-
kart. At Orfordness. In the Condaet.
At Jublitter in the Road.
At the Spits, Shoo, and Swine.

*Falling of Streams
upon the same point.*

*From the Ness to
Beunen.*

D. H. M.

0 12 45
1 1 33
2 2 21
3 3 9
4 3 57
5 4 45
6 5 33
7 6 21
8 7 9
9 8 57
10 8 45
11 9 33
12 10 21
13 11 9
14 11 57
15 12 45

South and by West, And North and by East.

Within the Maes.
Within at Ter Veer.
At Flushing.
Near Beversey in Sea.
In the Chamber.
At Charmsey, or Winckel-zee.
In Garnsey.
Rocheffer.

*Falling of Streams
upon the same point.*

*From Beunen to the
Somme. Also from
Estaples to Beunen.*

D. H. M.

0 1 30
1 2 18
2 3 6
3 3 54
4 4 42
5 5 30
6 6 18
7 7 6
8 7 54
9 8 42
10 9 30
11 10 18
12 11 6
13 11 54
14 12 42
15 13 30

South South West, And North North East.

Under Holyland.
Before the Maes and Goeree. Before Ter Veer.
At Armuyen upon the Flat. At the Wielings.
Before Ramekens. On all the Zealand Coasts.
Before the Thames of London.
Before Yarmouth. In the Downs upon the Road:
Near Dungie-nes.
At the Wester end of Wight.
Withour Callice and Blackness.
In Blavet.
At Boelin on the shore.

*Falling of Streams
upon the same point.*

*From Graveling to
Beunen.*

D.	H.	M.
0	2	15
1	3	3
2	3	51
3	4	39
4	5	17
5	6	15
6	7	3
7	7	51
8	8	39
9	9	27
10	10	15
11	11	3
12	11	51
13	12	39
14	1	27
15	2	15

The TABLES of the TIDES.

*South west and by South, and North East
and by North.*

Without Fontenay.
Without Blavet.
Under Boelyn, Or Bell-Isle.
Before the Wielings.
Before the Maes.
Holy-Isle.

*Falling of Streams
upon the same point.*

Amidst through the
Heads. From Dun-
kirk to Graveling.
From Staples to Fe-
cam. From Dart-
mouth to Exmouth.

D.	H.	M.
0	3	0
1	3	48
2	4	36
3	5	24
4	6	12
5	7	0
6	7	48
7	8	36
8	9	24
9	10	12
10	11	0
11	11	48
12	12	36
13	1	24
14	2	12
15	3	0

South west and North East.

At Amsterdam, Rotterdam, Dort, & Ziericksea
Before Newcastle; the Tese, Whitbey, and Hartle-
pool. In Robbin-heads Bay. Without the Flem-
ish Banks. In the Heads. Before Conquet, Pley-
marcks, Groy, Armentiers, Heya, Kili, Acts, Por-
thus; And the River of Bordeaux:
The South-coast of Britaigne, Gascoigne, and
Poictu. The Coasts of Biscay, Gallissia, Portugal,
and Spain.
On the West Coast of Ireland.
At Boecknes and Orcaneye.
In Hitland and at Fairhill.
At London Bridge.

*Falling of Streams
upon the same point.*

From C. de Hague
to Ornay. Through
the Ras of Ornay.
From Garnesey to
the Kaskers.
From Milford to
Ramsey.
At Fawick in the
Channel.
At Portland in the
Sack.

D.	H.	M.
0	3	45
1	4	33
2	5	12
3	6	9
4	6	57
5	7	45
6	8	33
7	9	21
8	10	9
9	10	57
10	11	45
11	12	33
12	1	21
13	2	9
14	2	57
15	3	45

*South west and by west, and North East and
by East.*

Between the Heads and the Maes. At Roan. In
the Sorlings. Before St. Matthews point. In Bri-
stol and Crixdown. In the Channel between
Unhant. Before the Bos. At St. Martains Before
Rochel. Before Brouwoge. At Roan in the River
of Bourdeaux.
Within the Creeks or Harbours situated on the
Coasts of Spain, Portugal, Galissia, the South side
of Britaigne, Gascoigne, and the VWest Coasts
of Ireland. At the Rasis of Fontenay, and
Hcuncliff.

*Falling of Streams
upon the same point.*

From Struysaert to
Diep.
From the Lizard to
the Steart.
From C. de Cleare
to Londey.

D. H. M. The TABLES of the TIDES.

0	4	30	
1	5	18	<i>West South West, And East North East.</i>
2	6	6	From Tessel to the Heads of Dover and Calice in
3	6	54	the Fareway.
4	7	42	Before Humber, Flambrough, Scarbrough, and
5	8	30	the race of Abben. In Falmouth. In the
6	9	18	Moufchhole.
7	10	6	The Seven Islands. St. Pauls without the Haven.
8	10	54	Between Garnsey and the Seven or Sept Isles as
9	11	42	the Course lies.
10	12	30	In Breesound. Without the Four.
11	1	18	On all South Coasts of Ireland, as Kingsale, Cork,
12	2	6	Jochal, Waterford, and Cape Cleare.
13	2	54	At Baltemore. And bloy.
14	3	42	
15	4	30	

Falling of Streams upon the same point.

From Ostend to St. Catelins. From Eur fleur to Struysaert. The Breesound out and in. From C. de Cleare to the Island Saltees. Between Londey and the Holmes as far as to Bristol. From the Sorlings to Englands end. From the Staert to Portland.

D. H. M. *West and by South, And East and by North.*

0	5	15	
1	6	3	
2	6	51	In Torbay and Dartmouth.
3	7	39	In Plymouth and Fawyck.
4	8	27	In the Sea of Galles.
5	9	15	In Falmouth. In Milford.
6	10	3	At Ramsey in Wales.
7	10	51	Against Londey.
8	11	39	Before Linn in England.
9	12	27	In all Havens on the south Coast of Ireland.
10	1	15	The Spourne.
11	2	3	
12	2	51	
13	3	39	
14	4	27	
15	5	15	

Falling of Streams upon the same point.

From the Bas to Foure. From Dorsey to Cape Cleare. From the Sorlings to the Lizard. From Portland to Wight. From Wight to Beversey.

D. H. M. *West and East.*

0	6	0	
1	6	48	
2	7	36	Before Hambrough.
3	8	24	Before Bremen.
4	9	12	Before the Maersdeep or Tessel.
5	10	0	At Hull.
6	10	48	At Blackney and Wells.
7	11	36	Before Antwerp, Tergoes, and Tergouwe.
8	12	24	At Concallo and St. Malloes.
9	1	12	At St. Pauls in the Haven.
10	2	0	Without the Sorlings in the Channel.
11	2	48	
12	3	36	
13	4	24	
14	5	12	
15	6	0	

Falling of Streams upon the same point.

From the Kaskets to Barfleur. From Englands end to the Lizard.

D. H. M.

The TABLES of the TIDES.

0 6 45
1 7 33
2 8 21
3 9 9
4 9 57
5 10 45
6 11 33
7 12 21
8 1 9
9 1 57
10 2 45
11 3 33
12 4 21
13 5 9
14 5 57
15 6 45

West and by North, And East and by South.

Between Fawyck and Falmouth in the Channel.
Amidst in the Channel.
At Bristol at the Key:
Before St. Nicholas and Podestemke.
At Wymouth on the Key.

*Falling of Streams
upon the same point:*

From the Island Bas.
to Marwanen a-
longst the shore.

D. H. M.

0 7 30
1 8 18
2 9 6
3 9 54
4 10 42
5 11 30
6 12 18
7 1 6
8 1 54
9 2 42
10 3 30
11 4 18
12 5 6
13 5 54
14 6 42
15 7 30

West North West, and East South East.

At the Ness by Wieringen.
In Tessel upon the Merchants or Coopvaerders
Road.
At Kilduyn.
In the middle of the Channel in the Fareway.
Near the Staert in the Channel.
Between Mouse-hole and Falmouth in Sea.
Near Plimouth in Sea.
At the Lizard by the shore.

*Falling of Streams
upon the same point.*

From the Island
Briack to St. Maloes.
From Bierflour to
Seynhead.

D. H. M.

0 8 15
1 9 3
2 9 51
3 10 39
4 11 27
5 12 15
6 1 3
7 1 51
8 2 39
9 3 27
10 4 15
11 5 3
12 5 51
13 6 39
14 7 27
15 8 15

*North West and by West, and South East
and by East.*

Without the Caskets in the Channel.
By Wight in the Channel.
From Wight to Beversey on the shore.
On the Coast to westward of the Foreland.
Without the Flye.
At Dublin.

*Falling of Streams
upon the same point.*

Behind Garnesey in
the Fareway:
Without the Seven
Islands.

D. H. M. **The TABLES of the TIDES.**

0	9	0	
1	9	4	<i>North West, And South East.</i>
2	10	36	Before the East and West Eemses.
3	11	24	Before the Flye.
4	12	12	Before the Scholbalgh.
5	1	0	On all the Coasts of Friesland.
6	1	48	Upon the Shoals of Friesland and Wieringen.
7	2	36	Before Cromer Winterton and Yarmouth.
8	3	24	Within the Seyne.
9	4	12	At the East end of Wight.
0	5	0	In the Ras of Portland.
11	5	48	Between Garnesey and the Kaskets.
12	6	36	At Dunbar.
13	7	24	
14	8	12	
15	9	0	

*Falling of Streams
upon the same point.*

In the Wyke of Benuyt.
Between Morliax
and the Treacle-
pots.

D. H. M.			
0	9	45	<i>North West and by North, And South East and by South.</i>
1	9	33	
2	10	21	
3	11	9	The Needles of VVight.
4	12	57	In the Channel by VVight.
5	1	45	The Caskets.
6	2	33	At Garnesey in the Channel.
7	3	21	Near Leystaff and Yarmouth with out the Banks.
8	4	9	At Tergouwe.
9	4	57	At VVolfshorn.
10	5	45	
11	6	33	
12	7	21	
13	8	9	
14	8	57	
15	9	45	

*Falling of Streams
upon the same point.*

Before Concallo.
Before the Island
of St. Michael in the
Creek.

D. H. M.			
0	10	30	<i>North North West, and South South East.</i>
1	11	18	
2	12	6	At Orfordness and Harwich without the banks.
3	12	54	At Leystaff in the Road. Yarmouth in the Road.
4	1	42	Before the Thames of London. At Margarits.
5	2	30	At VVight within.
6	3	18	At Beunen, Diep, and Seynhead.
7	4	6	In the Fosse of Caen.
8	4	54	At Struysaert, And all the Coasts of Normandy
9	5	42	and Picardy.
10	6	30	At St. Helena and Calveroort.
11	7	18	
12	8	6	
13	8	54	
14	9	42	
15	10	30	

*Falling of Streams
upon the same point.*

From Bergfleur to
Alhonga.
From Cape Dorsey
to the Island Dar-
dan.

D.	H.	M.
0	11	15
1	12	3
2	12	51
3	1	39
4	2	27
5	3	15
6	4	3
7	4	51
8	5	39
9	6	27
0	7	15
1	8	3
1	2	8 51
1	3	9 39
1	4	10 27
1	5	11 15

The TABLES of the TIDES.

North and by West, and South and by East.

Between Cripple-sand and the Kreyl.
 At Orfordness within.
 At Hampton.
 At Portsmouth and at Wolfers-horne.
 At Calveroot in Wight.
 Before the Harbour of Caen.
 Within the Thames of London.
 Fair Isle.

Falling of Streams
 upon the same point.

From St. Matthews
 point to the Back-
 Ovens.
 From Fontenay to
 St. Matthews point.

Instructions for the fore-going Tide-Tables.

THe Practitioner is to take notice that the three Columns of Figures belonging to each point of the Compass, are *Days*, *Hours*, and *Minutes* of and after the New or Full Moon. As for Example:

I desire to know when the Moon is 7 days past the New or Full when she comes to the South South West, or makes High-water before *Yarmouth*, the Rivers mouth of *London*, and the *Downs* on the Road, &c. And as in this, so in all other places, I seek in the several points, till I find the said places, and there I see that they stand under the South South West, and North North East point, therefore in the Columne of Dayes I find 7, and next to it I see 7 hours 6 minutes; Upon that Day then the Moon shall come to the South South West, and North North East, and upon those places mentioned, under that point make High-water.

Nota, that the Tides do not hold out, but fall short 48 minutes, which is four fifths of an hour. Therefore if you know at what hour, the New or Full Moon make full Sea in any place, then reckon from that time every day four fifths of an hour later, and so find the right time of the High-water.

The

A T A B L E shewing the Change and Full of the Moon for eight years to come, according to the mean or equal motion of the Moon, reckoning the time in Days, and Hours, and Minutes from Noon, as it is in the Sea-mans Kalendar. **D** Signifies New Moon, **●** Full Moon.

Moneths.	1669. D. H. M.	1667. D. H. M.	1671. D. H. M.	1672. D. H. M.
January.	● 6 15 16 D 21 9 38	D 10 18 27 ● 25 12 49	● 14 21 37 D 29 16 0	● 4 6 26 D 19 0 48
February.	● 5 4 0 D 19 22 22	D 9 7 12 ● 24 1 34	● 14 10 22 D 28 4 44	● 2 19 10 D 17 13 32
March.	● 6 16 44 D 21 11 6	D 10 19 55 ● 25 14 17	● 14 23 6 D 29 17 28	● 3 7 54 D 18 2 16
April.	● 5 5 28 D 19 23 50	D 9 8 39 ● 24 3 01	● 13 11 50 D 28 6 12	● 1 20 38 D 16 15 0
May.	● 4 18 13 D 19 12 35	D 8 21 23 ● 23 15 45	● 13 0 34 D 27 18 56	● 1 9 22 D 16 3 44 ● 30 22 6
June.	● 4 6 57 D 18 01 19	D 7 10 7 ● 22 4 29	● 11 13 18 D 26 7 40	D 14 16 28 ● 29 10 51
July.	● 2 19 41 D 17 14 3	D 6 22 51 ● 21 17 13	● 11 2 2 D 25 20 24	D 14 5 12 ● 28 23 34
August.	● 1 7 25 D 16 2 47 ● 30 21 9	D 5 11 35 ● 20 5 57	● 9 14 46 D 24 9 8	D 12 17 57 ● 27 12 19
September.	D 14 15 31 ● 29 9 53	D 4 0 19 ● 18 19 41	● 8 3 30 D 22 21 52	D 11 6 41 ● 26 1 3
October.	D 14 4 15 ● 28 22 37	D 3 13 3 ● 18 7 25	● 07 16 14 D 22 10 36	D 10 19 25 ● 25 17 47
November.	D 12 16 59 ● 27 11 21	D 2 1 47 ● 16 20 9	● 6 4 58 D 20 23 20	D 9 8 9 ● 24 2 31
December.	D 12 05 43 ● 27 00 5	D 1 14 31 ● 16 8 53 D 31 3 15	● 5 17 42 D 20 12 4	D 8 20 53 ● 23 15 15

A TABLE shewing the Change and Full of the Moon for eight years to come, according to the mean or equal motion of the Moon, reckoning the time in Days, and Hours, and Minutes from Noon, as it is in the Sea-mans Kalendar. D Signifies New Moon, ● Full Moon.

Moneths.	1672. D. H. M.	1671. D. H. M.	1667. D. H. M.	1669. D. H. M.
January.	D 7 9 37 ● 22 3 59	● 11 12 48 D 26 7 10	D 15 15 58 ● 30 10 20	D 5 0 47 ● 19 19 9
February.	D 5 22 21 ● 20 16 43	● 10 1 32 D 24 19 54	D 14 4 42 ● 28 23 4	D 3 13 31 ● 18 7 53
March.	D 7 11 5 ● 22 5 27	● 11 14 16 D 26 8 38	D 15 17 26 ● 30 11 48	D 4 2 15 ● 18 20 37
April.	D 5 23 49 ● 20 18 11	● 10 3 0 D 27 21 22	D 14 6 10 ● 29 0 32	D 2 14 59 ● 17 9 21
May.	D 5 12 33 ● 20 6 55	D 24 18 46 ● 9 16 24	D 13 18 54 ● 28 13 16	D 2 3 43 ● 16 22 5 D 31 16 27
June.	D 4 1 17 ● 18 19 39	● 8 4 28 D 22 22 5	D 12 07 38 ● 27 2 0	● 15 10 49 D 30 5 11
July.	D 3 14 1 ● 18 8 23	● 7 17 12 D 22 11 34	D 11 20 22 ● 26 14 44	● 14 23 33 D 29 17 55
August.	D 2 2 45 ● 16 21 7 D 21 15 29	● 6 5 56 D 21 0 18	D 10 9 6 ● 25 3 28	● 13 12 17 D 28 6 39
September.	● 15 9 51 D 30 4 13	● 4 12 40 D 19 13 2	D 8 21 50 ● 13 16 12	● 12 1 01 D 26 19 23
October.	● 14 22 35 D 29 16 57	● 04 7 24 D 19 01 46	D 8 10 34 ● 23 4 56	● 11 13 45 D 26 8 7
November.	● 13 11 19 D 28 5 41	● 2 20 8 D 17 14 30	D 6 23 18 ● 21 17 40	● 10 2 29 D 24 20 51
December.	● 13 0 3 D 27 18 25	● 2 8 52 D 17 3 14 ● 31 21 36	D 6 12 2 ● 21 6 24	● 9 15 13 D 24 9 35

M. H. am